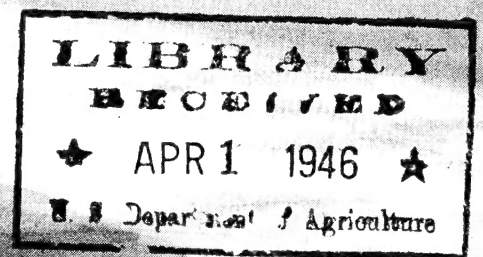
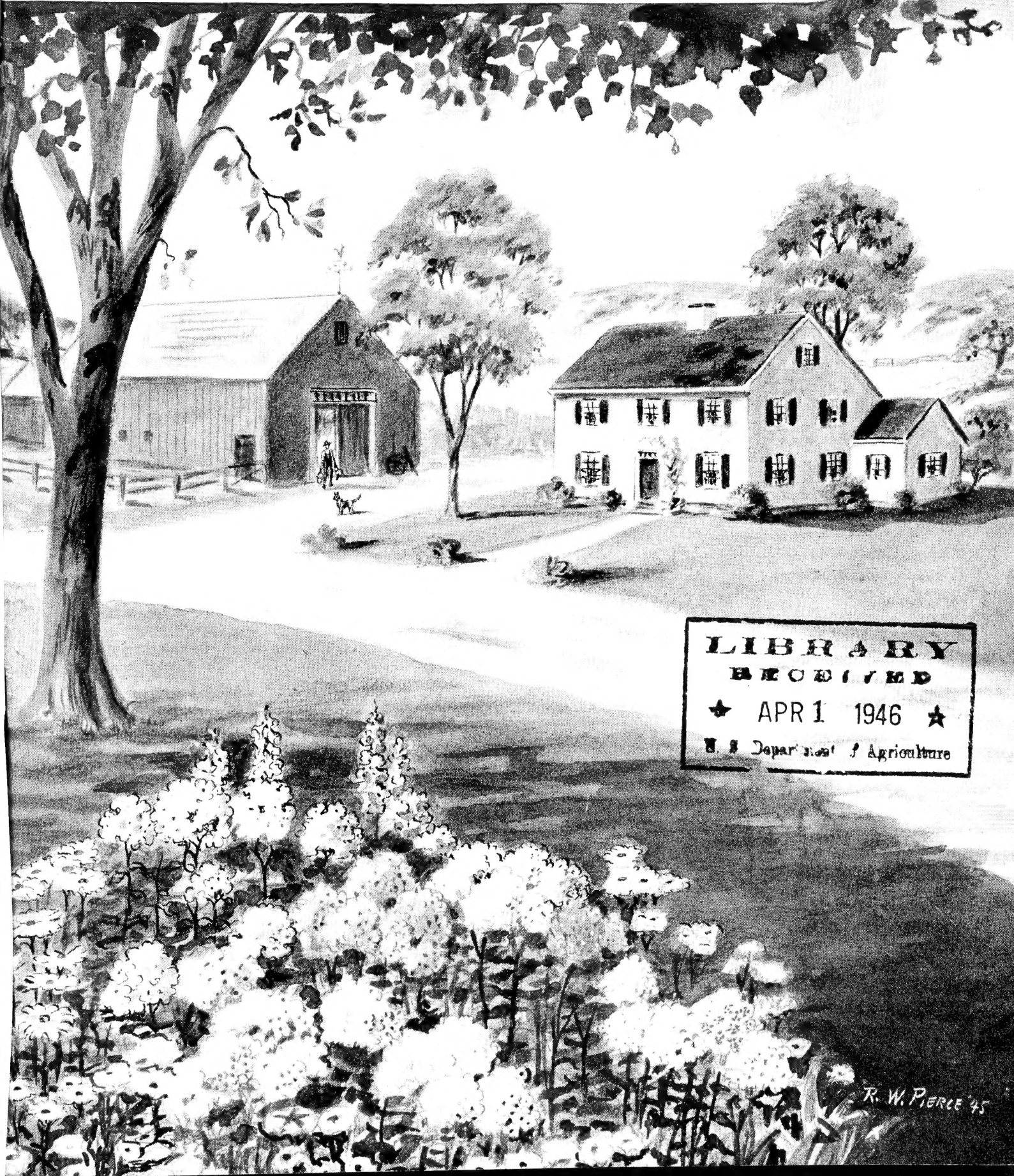


Historic, Archive Document

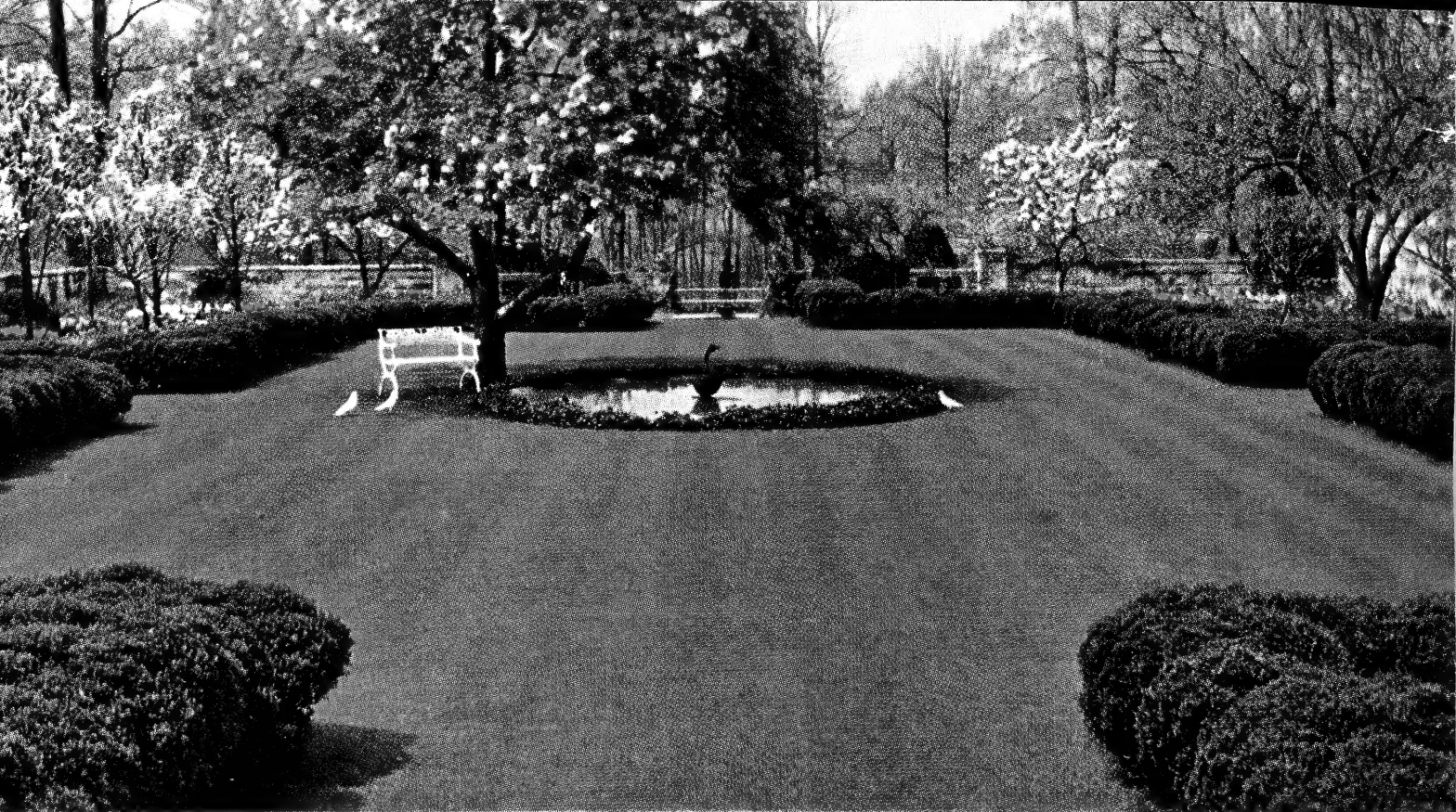
Do not assume content reflects current scientific knowledge, policies, or practices.

ROSS' SEEDS

1946



R. W. PIERCE '45



ROSS' High Germination Tested Purity Approved Formulas *Lawn Seed . . .*



1843-1946

PERFECT Lawns Within Reach of All. All of Ross' Celebrated Lawn Grass Seeds are particularly suited to the New England conditions. When properly used, they produce thick velvety lawns of the finest type in a few weeks.

Worcester Lawn Seed

seed can be made. 10 lbs., \$7.00; 100

The Worcester Lawn Seed is our own mixture made from a formula which has been given a great deal of careful study and we are positive that no better general purpose lawn seed can be made. Price: Lb., 75c; 2 lbs., \$1.50; 5 lbs., \$3.65; 10 lbs., \$7.00; 100 lbs., \$67.00.

Green Hill Lawn Seed

80c; 5 lbs., \$3.75; 10

This is composed of only four varieties of grasses as follows: Creeping Bent, Rye Grass, Kentucky Blue and Red Top. These are four of the best lawn grasses known. Price: Lb., 80c; 5 lbs., \$3.75; 10 lbs., \$7.20; 100 lbs., \$70.00.

Truegreen Lawn Seed

Price: Lb., 85c; 5 lbs., \$4.00; 10 lbs., \$7.75; 100

This is a mixture of three of the best so-called lawn grasses and is adapted to almost any ordinary situation. Price: Lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.75; 100 lbs., \$55.00.

Shady Spot Lawn Seed

Price: Lb., 85c; 5 lbs., \$4.00; 10 lbs., \$7.75; 100

It is possible to produce a lawn under almost any conditions but to do this in a situation where shade predominates the greater part of the time is very difficult. A shady location requires special treatment of the soil and in almost every shady spot lime must be added, but most important is the selection of the seed. Price: Lb., 85c; 5 lbs., \$4.00; 10 lbs., \$7.75; 100 lbs., \$75.00.

"The Ross Bros. Co. gives no warranty, express or implied, as to the productiveness of any seeds or bulbs it sells and will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seed."

PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE

Golf Course Mixtures

For Putting Greens and Fair Greens

Both the fairways and greens require a mixture of seed which will bear very close cutting and which will produce a turf of a strong, persistent nature. We offer mixtures which are of the highest purity and germination.

MIXTURE FOR PUTTING GREENS. Lb., 85c; 5 lbs., \$4.00; 10 lbs., \$7.75; 100 lbs., \$75.00.

MIXTURE FOR FAIRWAYS. Lb., 85c; 5 lbs., \$4.00; 10 lbs., \$7.75; 100 lbs., \$75.00.

Cemetery Mixture

This is especially adapted to light gravelly or sandy soil. Price: Lb., 85c; 5 lbs., \$4.00; 10 lbs., \$7.75; 100 lbs., \$75.00.

Terrace and Bank Mixture

It is mixed from grasses which naturally grow o strong, creeping root and are very valuable in holding the soil in place, preventing serious washouts during heavy rains. The seed starts quickly. Price: Lb., 75c; 2 lbs., \$1.50; 5 lbs., \$3.65; 10 lbs., \$7.00; 100 lbs., \$67.00.

Special Mixtures of Grass Seed

In addition to the several mixtures of grass seeds which we list in this catalog, we can supply grass seed in mixtures suitable for almost any purpose or location.

We will also be pleased to name prices on any special formula on request.

**PLANT for PEACE
As for VICTORY**

ROSS BROS. CO.

179-181 Commercial St.,

Worcester 8, Mass.

DIRECTIONS FOR ORDERING

PLEASE USE OUR ORDER SHEET. It will be a help to us in filling your order correctly. If you desire to write us, use a separate sheet of paper. Be sure to give your full name and address on all orders and letters.

KEEP A COPY OF YOUR ORDER. Sometimes customers complain of not receiving goods which were not ordered. If goods ordered do not reach you in a reasonable time, advise us and send us a copy of your order.

HOW TO SEND MONEY. Remittances can be sent safely by Post Office Money Order, Bank Draft, Express Money Order, Check or by Registered Letter. We do accept stamps for small amounts.

Do not send coins loose in an envelope as they may break through. If bills are sent, your letter should be registered.

ORDER EARLY—We endeavor to fill all orders as soon as received, but during the rush season of April and May, delays are sometimes unavoidable. This, however, can be partly overcome if our patrons will send us their orders early.

FREE DELIVERY—All Vegetables Seeds, Flower Seeds and Bulbs offered in this catalogue will be delivered **transportation paid** in the United States at prices listed. In making this Free Delivery offer we reserve the right to ship goods by Parcel Post, Express or Freight. Other items of seeds and other merchandise will be sent transportation collect unless otherwise noted in this catalogue.

GRASS AND FIELD SEEDS—All Grass and Field Seeds, Onion Sets and Potatoes are shipped only at purchaser's expense by express or freight, as ordered. Prices quoted in this catalogue are F.O.B. Worcester. Small quantities of Grass or Field Seeds sent by Parcel Post if postage is added at parcel post rates.

NOTICE—While it is not our custom to substitute, we feel that in the event of our being sold out of any variety it would be to the advantage of our patrons to allow us this privilege, for, if on receipt of any substitute it is not perfectly satisfactory, the same may be returned and money paid will be refunded.

Telegraph your order with Western Union Money Transfer and goods will be shipped same day order is received.

Add Postage to your order as indicated below—
if required.

See Free Delivery on other side.

POSTAGE RATES

Weight		ZONES						Weight	
Lbs.	Local	1st-2d	3d	4th	5th	6th	7th	8th	
1..	\$0.08	\$0.09	\$0.10	\$0.11	\$0.12	\$0.13	\$0.15	\$0.16	
2..	.09	.11	.12	.15	.18	.20	.24	.27	
3..	.09	.12	.14	.18	.23	.27	.33	.38	
4..	.10	.13	.16	.22	.28	.34	.42	.49	
5..	.10	.14	.18	.25	.34	.41	.52	.61	
6..	.11	.15	.20	.29	.39	.48	.61	.72	
7..	.11	.16	.22	.32	.44	.56	.70	.83	
8..	.12	.17	.24	.36	.50	.63	.79	.95	
9..	.12	.18	.26	.39	.56	.70	.89	1.06	
10..	.13	.19	.28	.43	.61	.77	.98	1.17	
11..	.13	.20	.30	.46	.66	.84	1.07	1.29	
12..	.14	.22	.32	.50	.72	.92	1.16	1.40	
13..	.14	.23	.34	.54	.77	.99	1.26	1.51	
14..	.15	.24	.36	.58	.82	1.06	1.35	1.63	
15..	.15	.25	.38	.61	.89	1.13	1.44	1.74	
16..	.16	.26	.40	.65	.94	1.21	1.53	1.85	
17..	.16	.27	.42	.68	.99	1.28	1.63	1.97	
18..	.17	.28	.44	.72	1.05	1.35	1.72	2.08	
19..	.17	.29	.46	.75	1.10	1.42	1.81	2.19	
20..	.18	.30	.48	.79	1.15	1.49	1.91	2.31	
21..	.18	.31	.50	.82	1.21	1.57	2.00	2.42	
22..	.19	.33	.53	.87	1.27	1.64	2.09	2.53	
23..	.19	.34	.55	.90	1.32	1.71	2.18	2.65	
24..	.20	.35	.57	.94	1.37	1.78	2.28	2.76	
25..	.20	.36	.59	.97	1.43	1.85	2.37	2.87	
26..	.21	.37	.61	1.01	1.48	1.93	2.46	2.99	
27..	.21	.38	.63	1.04	1.53	2.00	2.55	3.10	
28..	.22	.39	.65	1.08	1.60	2.07	2.65	3.21	
29..	.22	.40	.67	1.11	1.65	2.14	2.74	3.33	
30..	.23	.41	.69	1.15	1.70	2.21	2.83	3.44	
31..	.23	.42	.71	1.18	1.75	2.29	2.93	3.55	
32..	.24	.44	.73	1.23	1.81	2.36	3.02	3.67	
33..	.24	.45	.75	1.26	1.86	2.43	3.11	3.78	
34..	.25	.46	.77	1.30	1.92	2.50	3.20	3.89	
35..	.25	.47	.79	1.33	1.98	2.58	3.30	4.01	
36..	.26	.48	.81	1.37	2.03	2.65	3.39	4.12	
37..	.26	.49	.83	1.40	2.08	2.72	3.48	4.23	
38..	.27	.50	.85	1.44	2.14	2.79	3.57	4.35	
39..	.27	.52	.88	1.47	2.19	2.86	3.67	4.46	
40..	.28	.53	.90	1.51	2.25	2.94	3.76	4.57	

LOCAL DELIVERIES

Because of conditions concerning transportation, we can deliver only when accumulated orders and delivery schedule permits our complying with O. D. T. orders. If immediate delivery is wanted we will ship by local truckman at customers expense.

All prices subject to change without notice.

Most of the failures with seeds, plants and bulbs are due to causes entirely beyond our control such as unfavorable weather or soil conditions, too deep or too shallow planting, which renders it impossible for us to guarantee success.

The Ross Bros. Co. gives no warranty, express or implied, as to the productiveness of any seeds or bulbs it sells and will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seed.

ROSS BROS. CO.

Ross' Lawn and Agricultural Grasses

PRICES

of all Grass Seeds subject to market changes. Prices include bags or sacks unless otherwise noted. Prices f.o.b. Worcester.

BENT GRASS, MIXED. Sometimes referred to as Creeping Bent. Admirably adapted for lawns, also putting greens, tennis courts, etc. **Lb., \$2.00; 5 lbs., \$8.75.**

ASTORIA BENT (Botanically the same as Rhode Island or Colonial Bent.) Of fine growth, forming a close and permanent sod. One of the best lawn grasses and very desirable for golf courses and polo grounds.
Lb., \$1.60; 5 lbs., \$7.50; 10 lbs. or more, \$1.45 per lb.

ENGLISH or PERENNIAL RYE GRASS (*Lolium perenne*). Of rapid growth and productive; produces a strong growth in 4 to 5 weeks. **Lb., 35c; 10 lbs., \$3.00.**

ITALIAN RYE GRASS (*Lolium italicum*). Thrives on a variety of soils, producing early and large crops. **Lb., 35c; 10 lbs., \$3.00.**

KENTUCKY BLUE GRASS (*Poa pratensis*). One of the most valuable grasses for pasture and lawn, requires some time to become established, but lasts indefinitely on congenial soils. Sown with white clover, it forms a splendid lawn. **Lb., 65c; 10 lbs., \$6.20; 100 lbs., \$60.00.**

KENTUCKY BLUE GRASS. 98% pure. **Lb., 75c; 10 lbs., \$7.00; 100 lbs., \$68.00.**

MEADOW FESCUE (*Festuca pratensis*). Largely used for permanent mowing mixtures. **Lb., 40c; 10 lbs., \$3.60.**

REED CANARY GRASS. A tall growing water grass, thriving in brooks, ditches, ponds, and marshy tracts of land. It is of good nutritive value. **Lb., 70c; 10 lbs. or over, 65c per lb.**

RED, or CHEWINGS' FESCUE (*Festuca rubra*). Its leaves are bright green and the plant does not grow in tufts but creeps by underground stems, so that one plant may eventually cover a circle 2 to 4 feet in diameter. It is used mainly as a lawn plant. On sandy or gravelly soil it makes exquisite lawns. **Lb., \$1.10; 10 lbs., \$10.00.**

ROUGH STALKED MEADOW (*Poa trivialis*). Ideal for shade. It is a perennial and grows in soil that is moist and cool. **Cannot supply.**

CANADIAN BLUE GRASS (*Poa compressa*). A hardy perennial with creeping root-stalks which form a strong turf. **Lb., 60c; 10 lbs., \$5.70.**

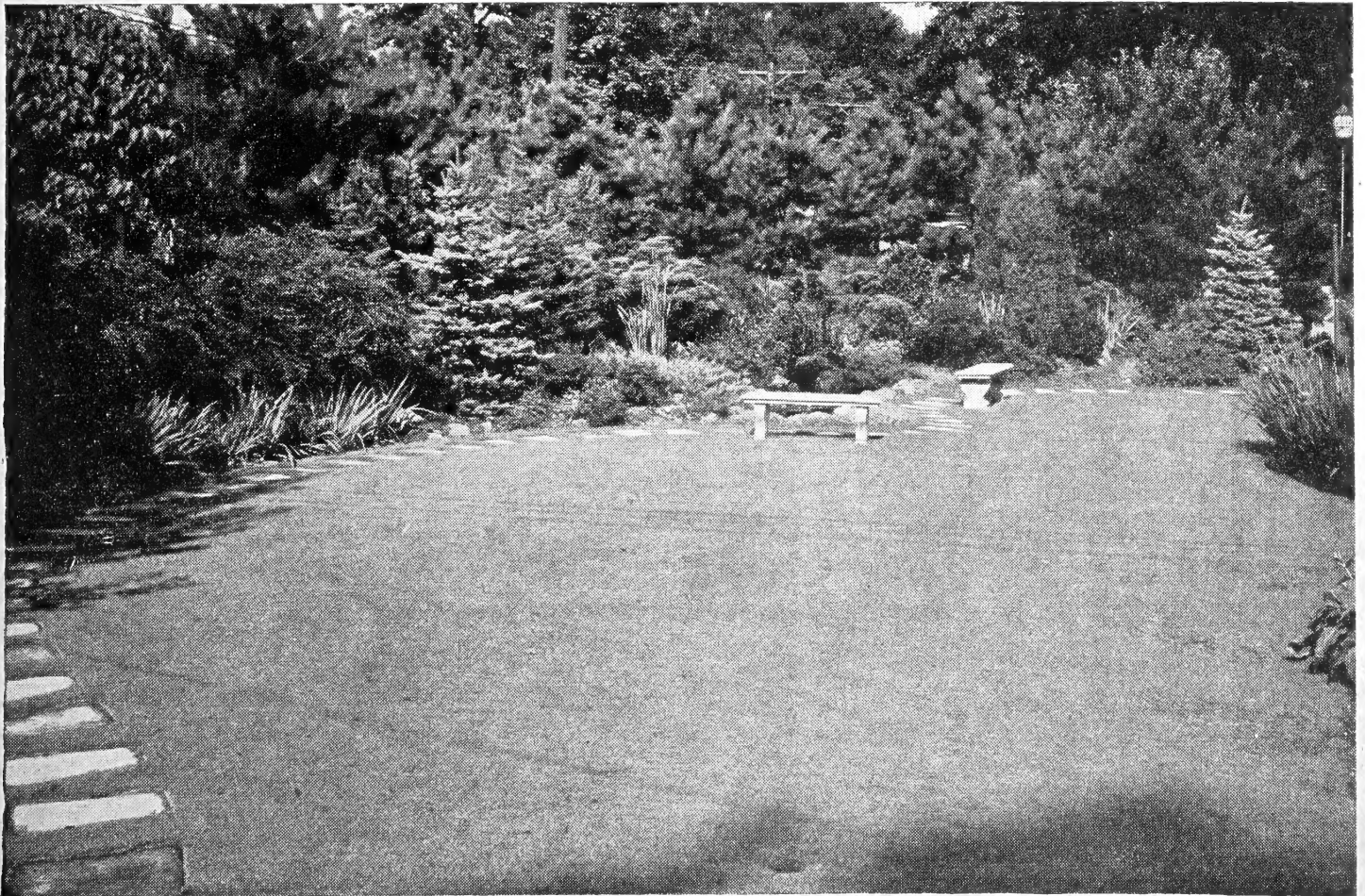
DOMESTIC RYE GRASS. Used extensively in lawn mixtures. **Lb., 20c; 10 lbs., \$1.70.**

RED TOP, RECLEANED. This is one of the best grasses for sowing for immediate effect. **Lb., 25c; 10 lbs., \$2.20; 100 lbs., \$20.00.**

RED TOP, FANCY RECLEANED. 98% pure. **Lb., 30c; 10 lbs., \$2.50; 100 lbs., \$22.00.**

ORCHARD GRASS (*Dactylis glomerata*). For early pasturing this is very desirable; also fine for sowing in shaded places. **Lb., 50c; 10 lbs., \$4.60.**

WORCESTER GRADE TIMOTHY. Our Worcester Grade is a seed which is of the highest quality at the start. Taken from the best fields of full ripe seed, we can assure you, that after going through the cleaning process we can guarantee a purity of 99.50 per cent. **Lb., 15c; 10 to 59 lbs., 12c per lb.; 60 lbs. or more, 11c per lb.**



CLOVERS

*Natural Soil Improvers—
Unexcelled for
Stock Feeding*

ALSIKE or SWEDISH CLOVER (*Trifolium hybridum*). One of the best for mixing with timothy; it is perfectly hardy in every climate or soil condition and seldom has to be reseeded. **Lb., 50c; 5 to 59 lbs., 45¾c per lb.; 60 lbs. or more, 42¾c per lb.**

CRIMSON CLOVER (*Trifolium incarnatum*). This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. **Lb., 30c; 10 lbs., \$2.80; 100 lbs., \$25.00.**

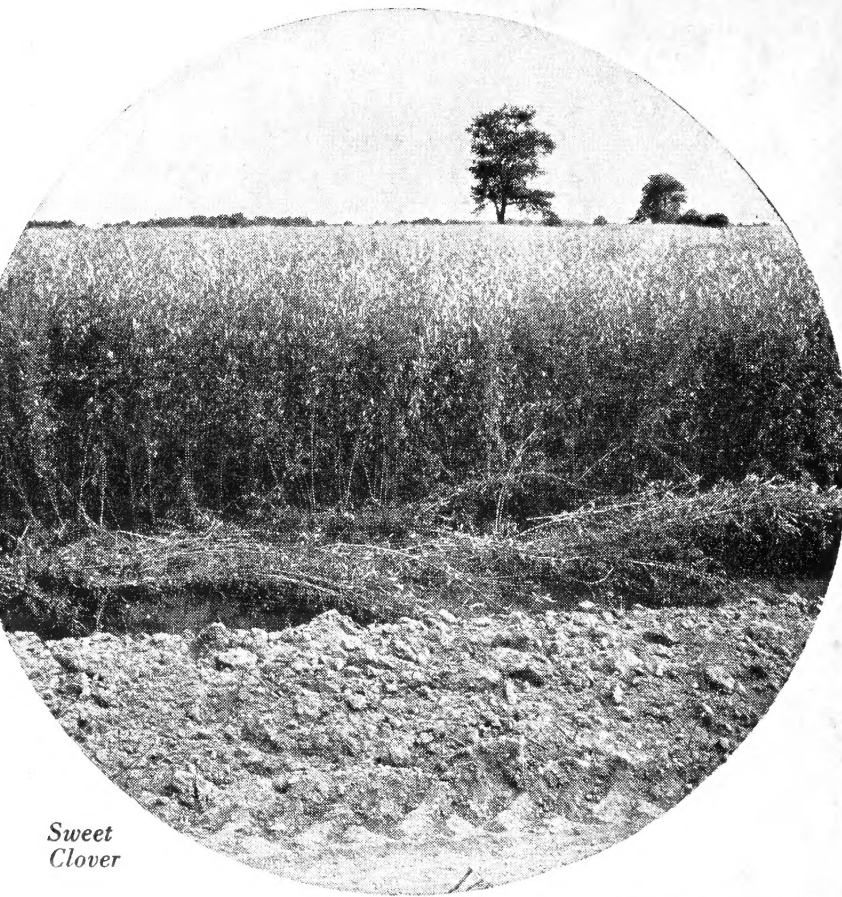
LADINO CLOVER FOR LOW WET SOILS. It is an ideal pasture plant for cattle, sheep, hogs, etc. Should be sown in early spring or September, using Oats, Timothy or Rye Grass, as a nurse crop. We recommend about 4 lbs. of Ladino clover per acre. **Price: \$2.50 per lb.**

MAMMOTH RED CLOVER (*Trifolium pratense perenne*). Sometimes called Sapling or Pea Vine Clover and English Cow Grass. This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. **Lb., 55c; 5 to 59 lbs., 48¼c per lb.; 60 lbs. or more, 45¼c per lb.**

MEDIUM RED CLOVER, AMERICAN GROWN (*Trifolium pratense*). More widely known and used than any other; used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in the late summer. **Lb., 55c; 5 to 59 lbs., 48¼c per lb.; 60 lbs. or more, 45¼c per lb.**

WHITE DUTCH or LAWN CLOVER (*Trifolium repens*). This is valuable for pasturage as well as for lawns; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best. ¼ lb., 40c; ½ lb., 75c; 1 lb., \$1.40; 10 lbs. or over, \$1.25 per lb.

**For Good Crops It Is Important to Plant
Ross' Selected Seeds**



*Sweet
Clover*

Sweet Clover

**The Greatest Soil Renovator, Hay and
Pasture Crop.**

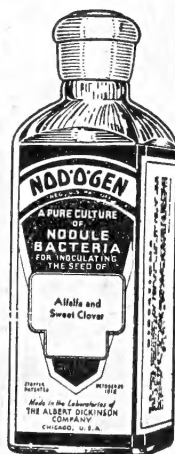
BOKHARA or SWEET CLOVER (*Melilotus alba*). A native of all parts of the United States and Canada. It is an erect branching biennial plant with woody stems growing the first season 2 to 3 feet high and developing a large root. The second year's growth usually reaches a height of 4 to 7 feet. 1 to 59 lbs., 21½c per lb.; 60 lbs. or more, 20c per lb.

Grass Seed Mixtures for Hay and Permanent Pasture

**The Worcester Special Mixtures of Grass
Seed produce wonderful hay crops and pasture,
maintaining their cropping qualities for years.**

PERMANENT PASTURE MIXTURE FOR MEDIUM SOIL. Aside from permanency, an important requisite is that of continual growth from early spring until fall, and as many varieties as possible should be used which bear constant tramping and continued close grazing. This mixture is prepared with these ends in view. Contains Ladino and White Dutch clovers. 30 pounds to the acre. 1 to 59 lbs., 51¼c per lb.; 60 lbs. or more, 49¾c per lb.

No. 1 GRASS SEED MIXTURE. For seeding down use 25 lbs. to the acre. Contains timothy, red top, medium red clover, and alsike clover. All domestic seed. 1 to 59 lbs., 21¼c per lb.; 60 lbs. or more, 20c per lb.



NOD-O-GEN
THE
PRE-TESTED INOCULATOR

Nod-O-Gen is a high quality humus culture of nitrogen-gathering bacteria containing all the essentials for healthy bacterial growth. Nod-O-Gen causes nodules to develop on the roots of legume crops. These nodules gather nitrogen from the air and convert it into plant food, saving plant food in the soil. Full directions accompany each package. When ordering be sure to state what seed you wish to inoculate. Humus type only.

GROUP 1. Alfalfa and Sweet Clover. 1-bu. size, 50c; 2½-bu. size, \$1.00.

GROUP 2. Clover, Medium Red, Crimson, Mammoth Alsike, White and White Dutch. 1-bu. size, 50c; 2½-bu. size, \$1.00.

GROUP 4. Soy Beans, all varieties. 2-bu. size, 30c; 5-bu. size, 55c.

GROUP 5. Cow Peas, Peanuts, Lima Beans. 2-bu. size, 30c; 5-bu. size, 55c.

GROUP 6. Field Beans, Wax, String, Snap, Kidney and Scarlet Runner Garden Beans. 1-bu. size, 35c.

GROUP 7. All Vetches, Field, Sweet and Garden Peas. 1-bu. size, 35c; 100-lb. size, 55c.

GROUP 8. Garden Combination for Garden Peas and Beans, Sweet Peas, Lima Beans. 10c.

Add for postage, Group 8, 5c; all other Groups, all sizes, 10c.

FIELD SEED CORN

Varieties that Fill the Silo

Worcester County Sweepstakes

Grows 12 to 15 feet tall.

It is a big yellow Dent Corn, stalks very large, $1\frac{1}{2}$ to 2 inches in diameter, growing 12 to 15 feet high; foliage is long, broad and heavy, starting well down to the ground with an abundance of leaves and produces 15 to 25 tons per acre.

$\frac{1}{2}$ pk., 80c; pk., \$1.40; $\frac{1}{2}$ bu., \$2.75; bu., \$5.25.

Hybrid Corn

HYBRID ENSILAGE. Wis. No. 606. 110 days. An excellent ensilage about the same season as Sweepstakes, having excellent cobs and in the milk stage at time of harvesting. Very vigorous in growth.

$\frac{1}{2}$ pk., \$1.45; pk., \$2.75; bu., \$9.80.

HYBRID DENT CORN. Wis. No. 412A. 95 days. Makes an excellent Corn for grain. It produces very good cobs and matures early. It is a dark colored, leafy, vigorous hybrid. Fodder yield is just a little less than Sweepstakes.

$\frac{1}{2}$ pk., \$1.45; pk., \$2.75; bu., \$9.80.

Improved Leaming

It ranks as one of the early Dent Corns, has a very heavy stalk, growing 12 to 13 feet high and very leafy. The ears are 8 to 10 inches long, filled with medium sized but deep kernels.

Pk., \$1.25; bu., \$4.75.

Sweet Fodder

Unexcelled for cutting green and feeding to stock. It should be included in all soiling schedules.

10 lbs., \$1.30; 100 lbs., \$11.00.

Early Canada Flint

An early 8-rowed variety; stalks about 6 ft., ears 8 to 9 inches. This strain is a decided improvement over the old Early Canada Flint.

$\frac{1}{2}$ pk., 80c; pk., \$1.40; bu., \$5.25.

Ross' Genuine Eureka Ensilage Corn

Has a Record of Producing More Tons Per Acre Than Any Other Ensilage Variety

The Eureka is a large kernel white corn introduced by Ross Bros. 50 years ago and we still offer the genuine Eureka, which is superior to many varieties sold under this same name.

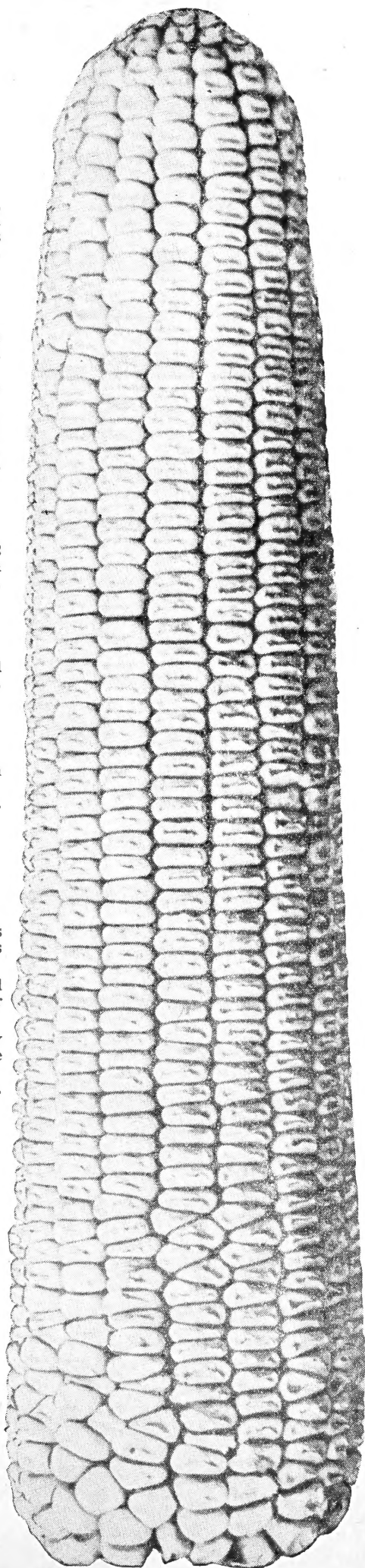
For the protection of the planter, Eureka comes put up in trade-marked bags and our suggestion is that you accept your Eureka Seed Corn in no other package.

Hardy and rugged characteristics; Eureka Corn germinates surprisingly well in cold, wet springs, and today farmers everywhere heartily approve planting the Ross genuine variety of Eureka Corn.

$\frac{1}{2}$ pk., 85c; pk., \$1.50; $\frac{1}{2}$ bu., \$2.90; bu., \$5.50.



Eureka Corn



Worcester County Sweepstakes

Agricultural

Barley

WISCONSIN No. 38. The beards are smooth and no barbs. Excellent for feeding green.

Pk., 90c; bu., \$3.20.

Buckwheat

JAPANESE. Entirely distinct from all other varieties. It has the advantage of remaining some time in bloom and produces seed earlier. It resists drought and blight better than most varieties.

Pk., 85c; bu., \$3.00.

Canada Field Peas

CANADA PEAS may also be sown with other grains as well as with Oats, and are sometimes sown in August with Barley. They are also sometimes sown alone. Choice stock for seed.

Lb., 15c; 10 lbs., \$1.10; 100 lbs., \$10.00.

Millets

HUNGARIAN (Hungarian Grass). An excellent food for horses when cured. Each root sends up several slender stems which often branch. The leaves grow upright, rather narrow. Heads are borne erect or nearly so, about four inches long, dark purple in color.

Lb., 15c; 10 lbs., \$1.10; 100 lbs., \$10.00.

GOLDEN. This variety is extensively used throughout the United States. It is sown at the same time and at the same rate per acre as the common Millet. Grows more vigorous, gives a much larger yield of hay than common Millet.

Lb., 15c; 10 lbs., \$1.15; 100 lbs., \$10.50.

JAPANESE (*Panicum frumentacea*). It is entirely distinct from all other Millets. Grows from 6 to 9 feet high, stands up well, and yields enormous crops.

Lb., 15c; 10 lbs., \$1.10; 100 lbs., \$10.00.

Certified Seed Oats

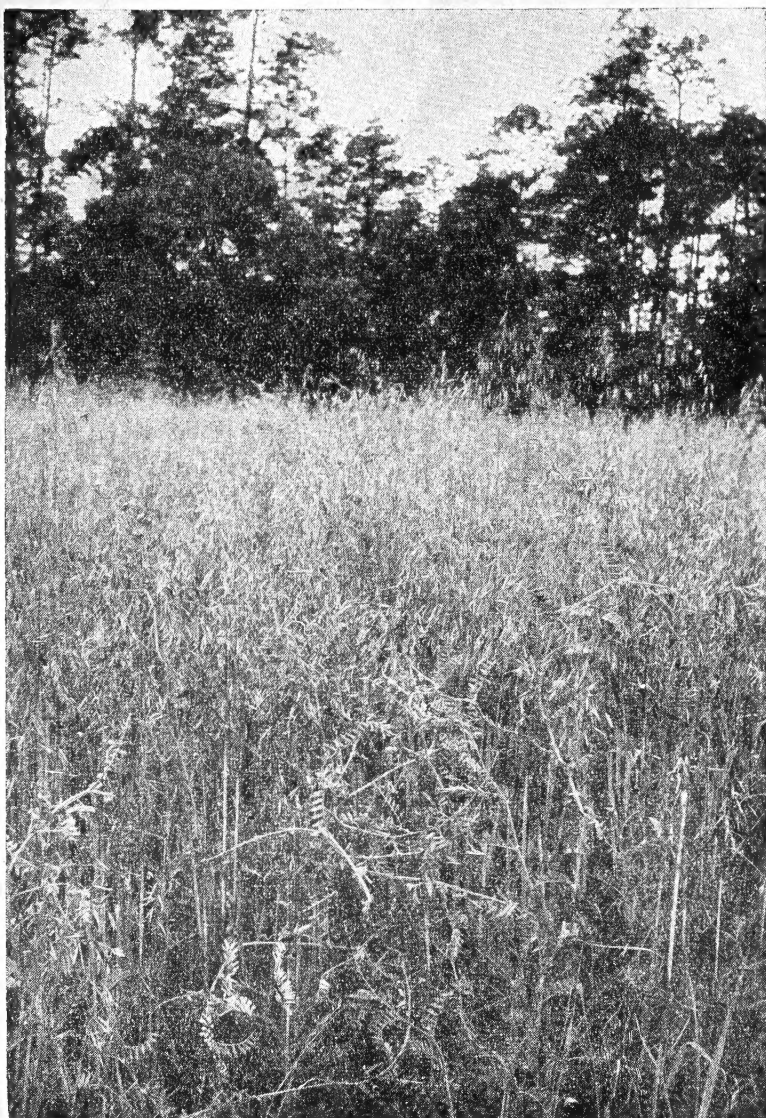
VICTORY. A tall growing white-kerneled variety which is recommended as a heavy yielder. The straw is stiff and strong enough not to lodge. It was developed at the Svalof Station in Sweden and out-yields the Swedish Select type. It should not be confused with that variety.

Pk., 65c; bu., \$2.35.

Vicland Oats

The Vicland is a selection from a cross of the parents Victoria (South American) and Richland (Iowa) varieties and introduced in 1941 as an outstanding grain variety. The straw of the Vicland is about 36 inches in height and the grain matures early. It is rust resistant and Wisconsin yields show 80 or more bushels per acre. We recommend this variety for grain.

Price: Pk., 75c; bu., \$2.60.



Oats and Vetch as Cover Crop

Alfalfa

The Farmer's Hay Insurance

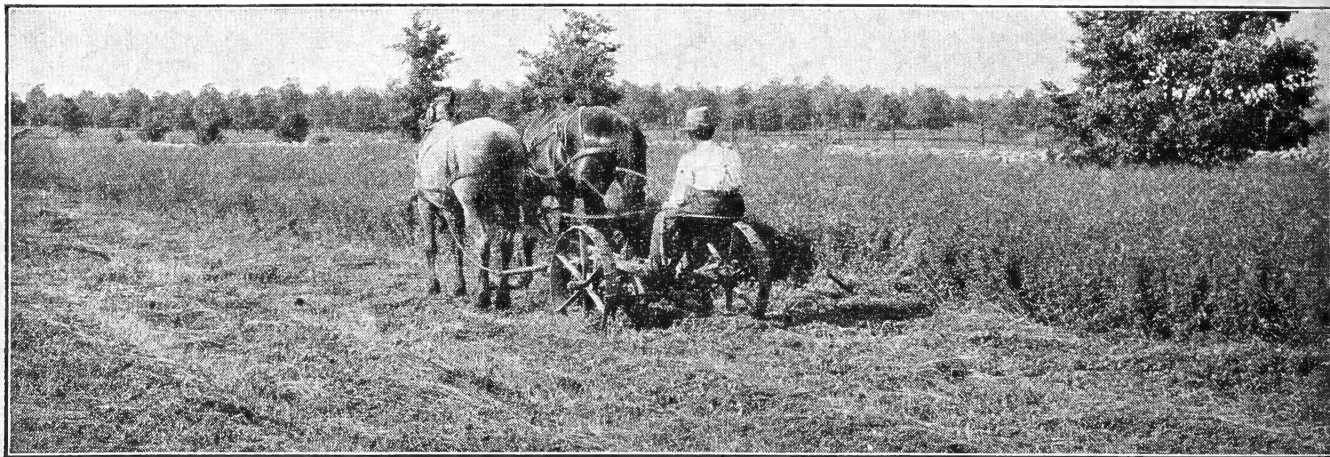
Sow 15 to 25 lbs. per acre.

As a soil builder the Experiment Stations tell us that it adds twice as much nitrogen to the soil as the average acre of Red Clover.

GRIMM. Only a few strains of Alfalfa equal, and none excel true Grimm Alfalfa in hardiness. It is the safest type to sow wherever there is trouble from winter-killing. **No seeds available.**

NEW MEXICO, COMMON ALFALFA. This strain has given very satisfactory results in New England.

Lb., 55c; 5 to 59 lbs., 48½c per lb.; 60 lbs. or more, 45½c per lb.



Ross' Alfalfa

Seed Grains

Dwarf Essex Rape

It grows best in cool, moist weather and the time for sowing depends upon when the crop is to be used. When wanted for pasture, allow 8 to 10 weeks for it to attain maximum growth.

Lb., 30c; 10 lbs., \$2.80; 100 lbs., \$26.00.

Rye

SPRING RYE. True stock Spring Rye makes an excellent crop where winter grain has been killed out or for sowing where a fall crop has not been planted. If desired it can be turned under and made to answer a good purpose in adding to the fertility of the soil. Sow seed same time as other spring grain.

Pk., \$1.15; bu., \$4.00.

ROSEN WINTER RYE. Rosen Rye produces a strong vigorous straw and stools to a remarkable degree. The grain is large, plump, heavy and of beautiful color, commanding a premium on the market over other grains. Owing to its vigorous stooling property less seed is required, the practice being about one and one-half bushels per acre. Ask for price.

Soy or Soja Beans

BLACK WILSON. Medium size, black seed. Considered the best all-around variety for the North. Of rather upright growth, with a good amount of foliage and a slight tendency to vine on fertile soil. Matures seeds in 125 days and is ready for cutting in 110 days. A heavy seed producer.

Pk., \$1.15; bu., \$4.10.

MANCHU. Matures in about 110 days and is the most popular early variety. Plants erect and bushy, producing large crops of dry forage and seed. Seed light yellow with a black scar. Pk., \$1.15; bu., \$4.10.

Sudan Grass

Sudan Grass is strictly an annual and dies each year like millet. From seven to nine feet high, with very small stems. Stock prefer it. Sow 10 to 15 lbs. per acre.

Lb., 20c; 10 lbs., \$1.40; 100 lbs., \$12.50.

Mammoth Russian Sunflower

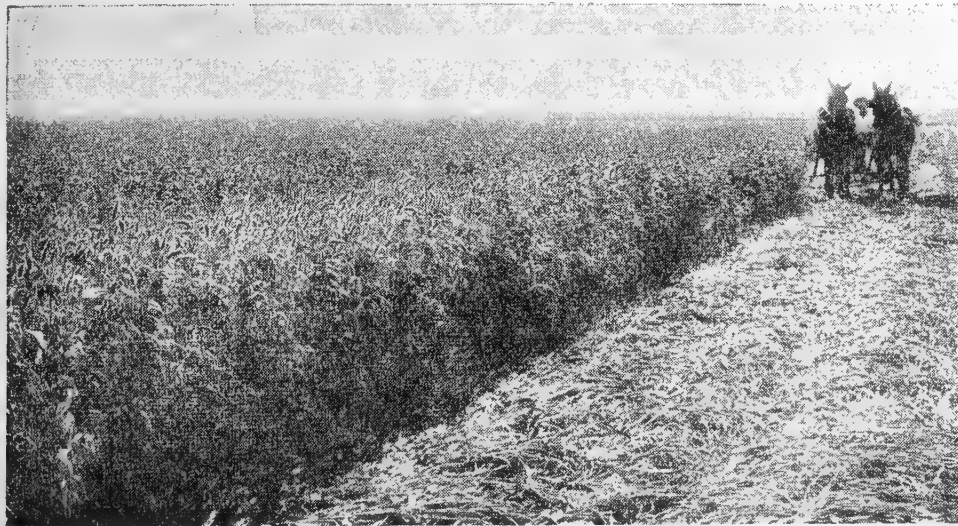
Produces very heavy yields per acre for silage or grown for its seed. Valuable for feeding.

Lb., 30c; 10 lbs., \$2.75.

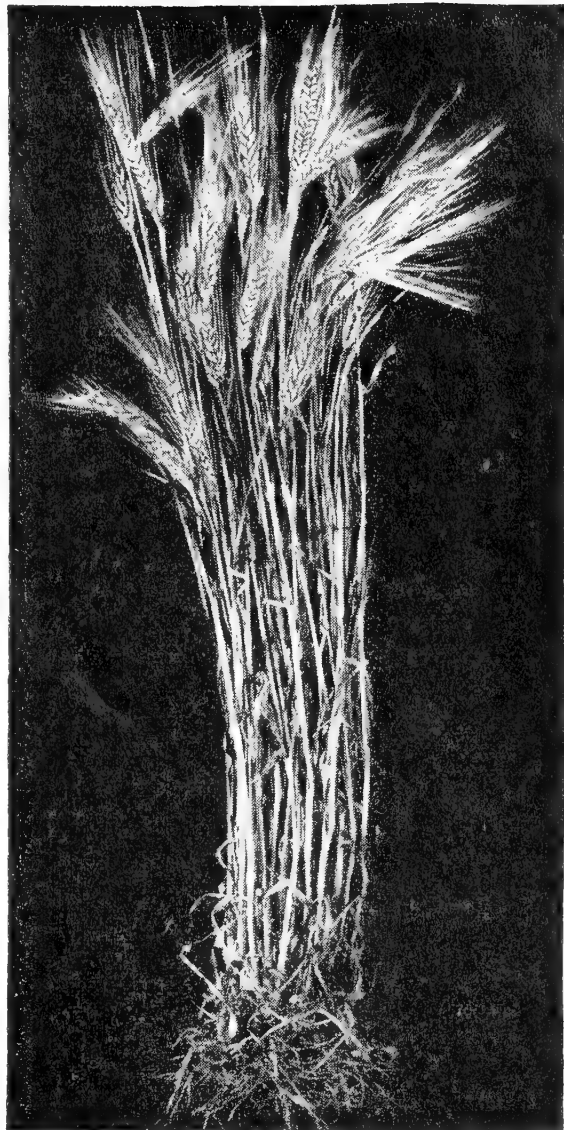
Soy or Soja Beans

A great soil enricher, gathering nitrogen from the air. Produces enormous crops as far North as Canada, ripening seed as far as Massachusetts. Especially valuable (in combination with millet and fodder corn) for ensilage, supplying the albuminoids or flesh-forming food.

INOCULATE WITH NOD-O-GEN



Millet



Barley

Vetch

HAIRY. Can be sown during the spring as well as in the fall, with good results. Used for green feed and plowing under for green manure. Sow at the rate of 30 to 40 lbs. with 1 bu. of small grain.

Lb., 30c; 10 lbs., \$2.50; 100 lbs., \$24.00.

Wheat

MARQUIS (Spring Wheat.) It has outyielded all other spring Wheats grown under the same conditions of soil and climate, the increased yield being up to 10 bushels per acre; is flinty and dark in color, being almost dark red. It is a beardless variety, having a smooth, yellow chaff. Pk., \$1.15; bu., \$4.00.

WHITE (Winter Wheat). Sow early in the fall for a good firm root to survive our New England winters. Winter Wheat makes an excellent green feed, coming very early in the spring and staying in condition for feed much longer than spring or winter rye. A productive, bald, white variety, large and plump. Ask for price.

VEGETABLES of Superior



Mary Washington

ASPARAGUS

An ounce will sow about 60 feet of drill, and produce 200 or more plants.

MARY WASHINGTON. This is a selection from the Washington showing a marked improvement in every respect. It is much larger than the ordinary strain and is some earlier. Tips very compact and a rich purplish green. The whole stalk from base to tip is remarkably tender.

Pkt., 10c; oz., 25c; $\frac{1}{4}$ lb., 60c.

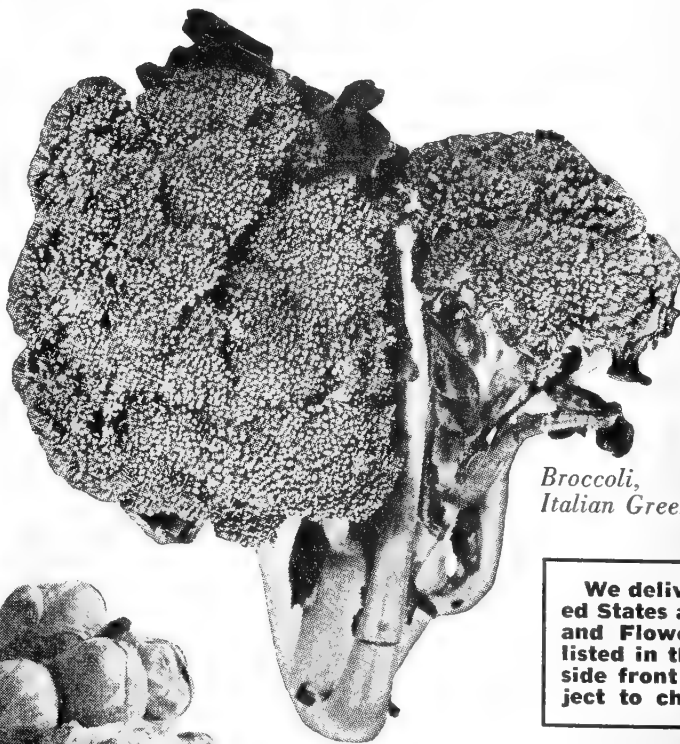
ASPARAGUS ROOTS

The easiest way to obtain an asparagus bed is to set out the roots. It takes 3 years to establish one from seed, but with our large, 2-year roots a bearing bed may be had in 2 years. We can furnish strong, selected roots of the variety listed, 50 in a bunch, at the following prices:

MARY WASHINGTON. 25 for \$1.00;
50 for \$1.75; 100 for \$3.00, postpaid.

ARTICHOKE

GREEN GLOBE. Perennial, large-flowering heads, cooked like asparagus. Matures second year; not hardy in the North. **Can not supply.**



*Broccoli,
Italian Green Sprouting*

BROCCOLI

ITALIAN GREEN SPROUTING. (Close Heading.) Planted and used the same as cauliflower, bluish green color, largely used by market gardeners. The plants require plenty of water. Seed started in June will make heads which will be in good condition all winter. Seed started earlier will bring heads in for summer. Broccoli takes longer to mature than cauliflower, allow 2 or 3 weeks more.

Pkt., 10c; $\frac{1}{2}$ oz., 20c; oz., 30c.

BRUSSELS SPROUTS

**Delicious
Miniature
Cabbages**

1 oz. will produce 3000 plants.

LONG ISLAND IMPROVED. A very hardy plant of the cabbage family, in this section may be left in the ground up to December. The plants of the Long Island strain do not grow up very tall but are covered from the ground up with large solid sprouts.

Pkt., 10c; $\frac{1}{2}$ oz., 30c; oz., 50c.

If you are in doubt as to the varieties best suited for your garden, let us select these for you. We will make the selection for you if you will tell us the quantities you require. Buy only good seeds.

We deliver free in the United States all Bulbs, Vegetable and Flower Seeds, at prices listed in this catalog. See inside front cover. Prices subject to change.



*Brussels Sprouts,
Long Island Improved*

OUR PRICES

Have been reduced to the lowest point consistent with the production of good quality seeds. The varieties of vegetable seeds offered on these pages are the best and most popular varieties in their respective classes, as required for the Ross standard of excellence.

Quality from Ross' Tested Seed

BEANS

Reliable and Productive

1 lb. will plant 100 ft. of drill; 60 to 90 lbs. will plant an acre.

Beans succeed best in warm, light soil of at least average fertility. In this latitude it is not usually safe to plant much earlier than the middle of May. If planting is made earlier and is followed by especially wet or cold weather, the planter should not blame the seedsman if beans fail to germinate. Plant the dwarf varieties in drills 2 to 3 feet apart, about 2 inches deep, and thin plants 4 to 6 inches apart. Give frequent, shallow cultivation until time of blossoming.

Dwarf Wax or Butter Beans

BLACK WAX. One of the best for a home garden, perfectly stringless and of excellent flavor. Pods are medium size, round and of a clear waxy white color. Pkt., 25c; lb., 45c; 2 lbs., 85c; 10 lbs. or over, 36c per lb.

★**BRITTLE WAX.** One of the best early varieties. The pods are round and long, often 6 inches in length, and a rich golden yellow; stringless and tender. When ripe, makes good shell beans. Pkt., 25c; lb., 45c; 2 lbs., 85c; 10 lbs. or over, 36c per lb.

IMPROVED GOLDEN WAX. An old, well known and popular variety of excellent quality. Pods flat, long, golden yellow. One of the earliest and best dwarf wax varieties for the private garden. Pkt., 25c; lb., 45c; 2 lbs., 85c; 10 lbs. or over, 36c per lb.

★**PENCIL POD BLACK WAX.** Best of all the dwarf black-seeded wax beans.

It is early and productive, bearing rich yellow, nearly straight, round pods 5½ to 6 inches long.

Pkt., 25c; lb., 45c; 2 lbs., 85c; 10 lbs. or over, 36c per lb.

ROUND POD KIDNEY WAX. Of unsurpassed quality. One of the best for the home garden and very desirable for market, where round-podded varieties are popular. Pods are long, very white and waxlike; uniformly perfect in shape and vine is very productive.

Pkt., 25c; lb., 45c; 2 lbs., 85c; 10 lbs. or over, 36c per lb.

SURE CROP STRINGLESS WAX. Clear amber, stringless pods. Ideal for home or market gardens. Strong grower, dependable cropper. An absolutely stringless, rust-proof wax-pod, bush bean. Pods 7 to 7½ inches long, about half an inch in diameter, and a beautiful rich yellow color.

Pkt., 25c; lb., 40c; 2 lbs., 75c; 10 lbs. or over, 34c per lb.

Dwarf or Green Podded Bush Beans

★**BOUNTIFUL.** Vine unusually thrifty, rarely affected by blight, bears early, profusely and for a long time. Pods large, flat but thick and meaty, stringless and tender. Pkt., 25c; lb., 40c; 2 lbs., 75c; 10 lbs. or over, 34c per lb.

BURPEE'S GREEN POD STRINGLESS. A very desirable dwarf podded snap sort for the home garden and largely grown for the market. Pods medium green, 5 to 6 inches long. Seed of medium size and length, yellowish brown.

Pkt., 25c; lb., 45c; 2 lbs., 85c; 10 lbs. or over, 36c per lb.

TENDERGREEN (Ross'). There's a profusion of exquisitely tender green pods. A green podded bean of unusual merit. The pods are long, light green in color, round and absolutely stringless. It yields a heavy crop of early beans. Early, prolific, stringless.

Pkt., 25c; lb., 45c; 2 lbs., 85c; 10 lbs. or over, 36c per lb.

Dwarf or Bush Shell Beans

DWARF HORTICULTURAL. Pods thick, broad, of medium length, yellowish green splashed with red when at the stage of fitness for green shell beans and are then very attractive. Pkt., 25c; lb., 40c; 2 lbs., 75c; 10 lbs. or over, 34c per lb.

★**FRENCH HORTICULTURAL.** The vines are compact and of upright growth; almost always sending out runners to a height of 1½ to 2 feet, but do not climb a pole and are not of sufficient length to affect the bean in any way. The pods when ready to use are a yellowish green splashed with a bright crimson. Very prolific. Pkt., 25c; lb., 45c; 2 lbs., 85c; 10 lbs. or over, 36c per lb.

*Don't
Forget*

To get a summer-long supply of this delicious vegetable, sow seeds every 2 weeks. Order sufficient seeds now for your season's needs.

BOSTON SMALL PEA. More largely used than any other variety for baking. Choice select. Pkt., 20c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 26c per lb.

IMPROVED YELLOW EYE. One of the best sorts for baking; extremely productive and of superior quality.

Pkt., 20c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 26c per lb.

RED KIDNEY. Large red kidney-shaped Beans of excellent quality. The old-fashioned baking Bean. Pkt., 20c; lb., 35c; 2 lbs., 65c; 10 lbs. or over, 26c per lb.



Kentucky Wonder

BEANS for the Home Garden

Wax Podded Pole Beans

1 lb. will plant about 100 hills.

Pole beans require considerable care. They are, when properly grown, of long bearing period, more sensitive to wet and extremes of temperature than the dwarf varieties and should not be planted as early. Set in rows about 4 feet apart, preferably running north and south, allowing about 3 feet between the poles in the row. Plant 6 to 8 beans around each pole and thin to 3 to 4 plants.

***KENTUCKY WONDER WAX.** This pole bean is quite similar to the very popular green-podded Kentucky Wonder, except that the very long pods are a little broader, and of a waxy golden yellow. These are very attractive, fleshy, stringless and not surpassed in quality.

Pkt., 25c; 1b., 45c; 2 lbs., 85c;
10 lbs. or over, 36c per lb.

Green Podded Pole Beans

***KENTUCKY WONDER or OLD HOME-STEAD.** Pods are borne in large clusters, are of unusual length, nearly round, silvery green; when young, crisp, entirely stringless, of fine texture and flavor. Vine bears early and is very productive. Used only as a string bean.

Pkt., 25c; 1b., 45c; 2 lbs., 85c;
10 lbs. or over, 36c per lb.

SCARLET RUNNER. Largely grown as an ornamental climber; its rapid growth and early production of dazzling flowers make it a favorite for covering screens, walls, etc. It is also of excellent edible qualities, but rarely grown for that purpose.

Pkt., 25c; 1b., 45c; 2 lbs., 85c;
10 lbs. or over, 36c per lb.

WORCESTER MAMMOTH HORTICULTURAL. The beans, though closely resembling those of the common strain, are much larger. Its strikingly handsome pods combined with its great size are both features of excellence which recommend it.

Pkt., 25c; 1b., 45c; 2 lbs., 85c;
10 lbs. or over, 36c per lb.

ENGLISH BROAD BEANS

BROAD WINDSOR. An old-fashioned English shell bean. This bean is very hardy; it should be planted as early as the ground will permit, 3 to 4 inches deep in rows 3 feet apart, and plants 1½ feet apart in row. Dry beans very large and yellowish green.

Pkt., 25c; 1b., 45c

EDIBLE SOY BEANS

BANSEI. These beans are not only delicious when eaten green or dry, but they are also an excellent source of Vitamins A, B, and G. The Bansei variety is one of the earliest, and very productive. Plants grow 24 inches high and do not require support. They are literally loaded with pods. Seeds are bright green while young and yellow when matured.

Pkt., 20c; 1b., 30c; 2 lbs., 55c; 10 lbs. or over, 25c per lb.

**PLANT FOR PEACE AS FOR VICTORY, AND
REMEMBER QUALITY VEGETABLES COME
FROM YOUR OWN GARDEN**

WE SUGGEST:

Wax and Green Beans
Early Wonder Beets
Golden Bantam Sweet Corn
Lettuce, Open Leaf
Yellow Onions
Summer Squash

Early and Late Cabbage
Danvers Carrot
World's Record Peas
White Spine Cucumber
Early Tomatoes
Winter Squash

LIMA BEANS

Bush Limas

1 lb. will plant about 50 hills.

More hardy than the pole varieties and therefore may be planted earlier. Make rows 2 feet apart and plant the beans, eyes down, every 2 inches. Cover about 2 inches deep. Thin to 6 inches. Note: In very wet weather bush lima beans will sometimes send out runners about 2 feet long.

HENDERSON'S BUSH LIMA. A bush bean of the Sieva Lima type. Beans small but vine is productive and bears early. Pkt., 25c; 1b., 45c; 2 lbs., 85c;
10 lbs. or over, 36c per lb.

BURPEE'S IMPROVED BUSH LIMA. A distinct strain. The earliest, largest, and the best of all large limas. This new strain differs from the popular Burpee's Bush Lima in bearing uniformly much larger pods, producing more beans, while both pods and beans are much larger and thicker. While the beans are as large as those of the large lima, the crop of the Improved is ready for gathering from 8 to 10 days earlier. In quality the beans are equal to any, being thin-skinned, juicy and of fine flavor.

Pkt., 25c; 1b., 45c; 2 lbs., 85c;
10 lbs. or over, 36c per lb.

FORDHOOK BUSH LIMA. One of the leading varieties of bush lima beans. The plant is of stiffly erect habit, the beans are much larger and of superior quality and even when full size are juicy and of fine flavor.

Pkt., 25c; 1b., 45c; 2 lbs., 85c;
10 lbs. or over, 36c per lb.

Pole Limas

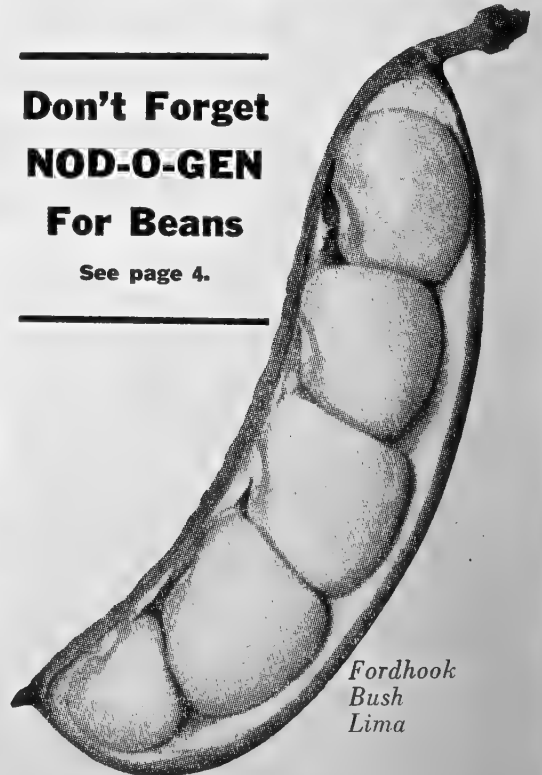
1 lb. will plant about 100 hills.

KING OF THE GARDEN LIMA. Earlier than the large lima, and the pods are longer and often contain 5 beans of the largest size. The vine is large and of remarkably vigorous growth and will produce larger pods and bear earlier if only two are allowed to grow to the pole.

Pkt., 25c; 1b., 45c; 2 lbs., 85c;
10 lbs. or over, 36c per lb.

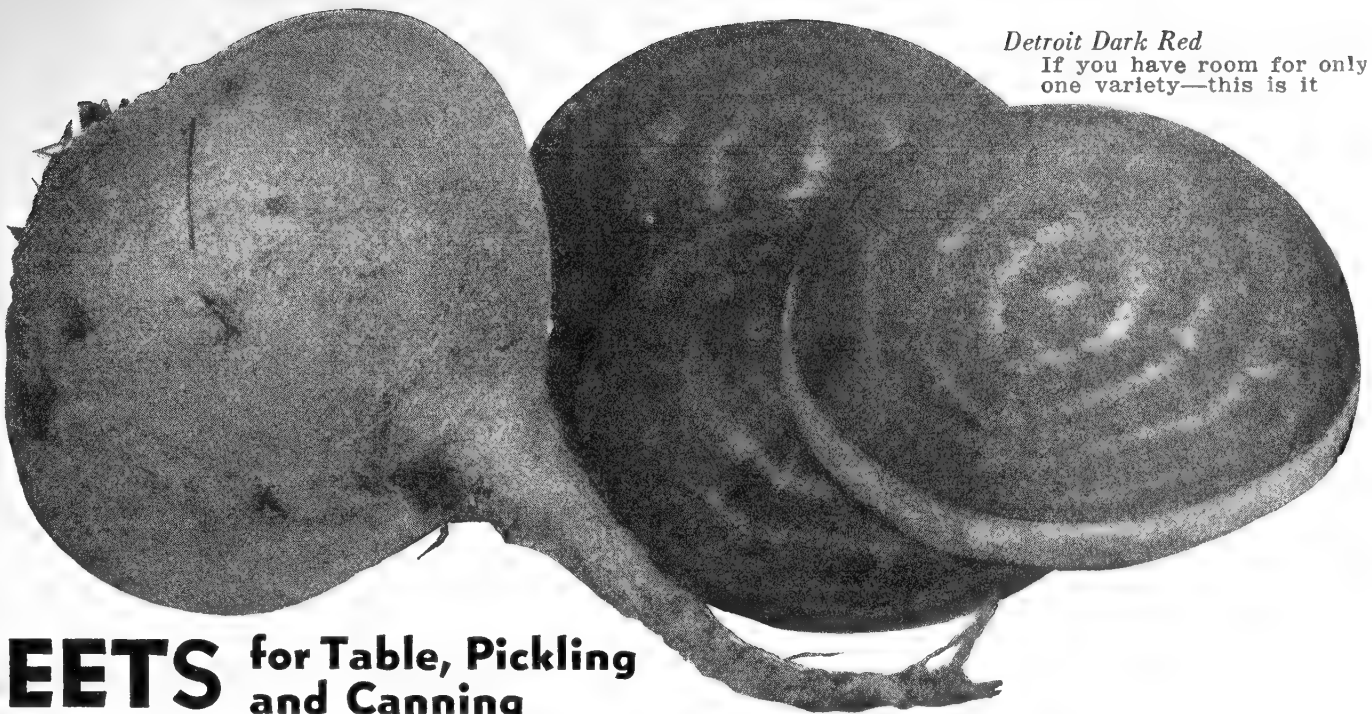
**Don't Forget
NOD-O-GEN
For Beans**

See page 4.



*Fordhook
Bush
Lima*

Detroit Dark Red
If you have room for only
one variety—this is it



BEETS for Table, Pickling and Canning

Successive Plantings - for Beets the Right Size All Summer Long

*An ounce will sow about 100 feet of drill. 5 to 6 pounds
required for an acre.*

The beet thrives best in deep, rich, but rather light soil. Sow in drills about 15 inches apart and 1 inch deep. Make the soil firm over the seed. For early use, sow as soon as the ground can be worked; for fall use, in May; for winter from the 20th of June to the middle of July, according to the variety. Thin plants to 4 or 5 inches apart. Give frequent shallow cultivation.

***CROSBY'S EARLY EGYPTIAN EXTRA SELECTED STRAIN.** For several years we have given this especial attention and have succeeded in eliminating the light-colored, coarse fleshed specimens peculiar to the Egyptian. Roots are more uniform in shape and tops are more even in growth, a little smaller. We confidently recommend it to market gardeners as an unsurpassed strain.

Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.

***EARLY WONDER.** A new improved Crosby Egyptian Beet. Smooth, dark, red flesh. Extra good for market gardeners. One of the earliest and most perfectly shaped beets. Its beautiful, deep blood-red color, globular-shaped roots, make it valuable for the home garden. The attractive appearance, uniform size, shape and color have created a very heavy demand for this variety. It is grown very extensively for late sowing.

Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.

ROSS' PERFECTION. Selected by us as the best early beet for the market gardener. Nearly as early as the Early Egyptian, but the roots are much thicker and more regular in shape. By careful selection the coarse-fleshed and light-colored specimens have been practically eliminated.

Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.

***DETROIT DARK RED.** A superior second-early and main-crop variety rapidly growing in favor for late planting. Tops uniformly small and grow upright so that the rows may be close together.

Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.

DEWING'S BLOOD. One of the leading main crop varieties.

Pkt., 10c; oz., 25c; ¼ lb., 60c; lb., \$2.00.



**For Another Delicious
Green, Try Swiss Chard
It's a Beet, You Know**

Mangels—Overgrown Beets for Livestock

The Mangels furnish large quantities of nutritious and healthful food for stock and poultry. Yields 25 to 30 tons per acre.

1 oz. to 100 feet of drill; 5 lbs. per acre.

Culture: Both mangels and sugar beets require deep, well-enriched soil. Sow in May or June in rows 18 inches to 2 feet apart and 6 to 8 inches in the row. Young plants may be transplanted to fill up vacancies. As soon as frost occurs, dig the crop. For winter store in cellar or in pits. Sow 5 to 6 pounds per acre. Mangels make excellent and rich as well as cheap winter feed for poultry.

GOLDEN TANKARD. It is one of the best stock beets grown. It has yellow flesh, very distinct variety, being short with very little tap root and very easy to harvest. Top and

neck very small; root ovoid, flesh yellow, zoned with white; an excellent sort.

Oz. pkt., 20c; ¼ lb., 60c; lb., \$1.50.

MAMMOTH LONG RED. This is truly a mammoth, a single root often weighing 20 to 30 pounds. The extra large, long roots are blood-red in color and very nutritious. Enormously productive, yielding, under favorable conditions, 30 to 40 tons of roots per acre.

Oz. pkt., 20c; ¼ lb., 60c; lb., \$1.50.

Klein Wanzleben

High Sugar Content; Popular with Sugar Beet Growers.

Root is conical, straight and even, large at top and tapering. Contains the largest percentage of saccharine matter.

Oz. pkt., 30c; ¼ lb., 70c; lb., \$2.20.

Mammoth Long Red Mangel tap root and very easy to harvest. Top and



Copenhagen Market



Golden Acre

CABBAGE for Crisp Tangy Flavor



Chinese Cabbage

CHINESE CABBAGE

A Real Treat is in Store for Those Who are Planting It for the First Time

PE-TSAI. Distinct from the cabbage of commerce, somewhat resembling Cos Lettuce; in fact, sometimes called Celery Lettuce. It can be eaten as a salad or cooked like ordinary cabbage. Culture same as late cabbage. Sow early in July.

Pkt., 10c; ½ oz., 35c; oz., 60c.

1 pkt. produces 250 plants; 1 oz. produces 3,000 plants.

The seed we offer is absolutely new stock from the best professional growers. A heavy rich loam, thoroughly cultivated, highly manured and worked deep is most suitable to cabbage. Early cabbage should be planted under glass in March and transplanted 2 feet apart as soon as ground outside can be prepared. For late plants, sow in hills in open ground in May. Transplant in July.

***THE EARLY COPENHAGEN MARKET.** A New England favorite cabbage. Large heads, solid light green, round, excellent quality. The earliest large, round-headed cabbage yet introduced. Matures 68 days after transplanting. It is a very sure heading and uniform variety of hardy and compact growth. The heads are 7 to 8 inches in diameter and weigh 3 or 4 pounds.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

EARLY JERSEY WAKEFIELD. Although this variety is not as early as the preceding one, it will be found the very best conical heading sort to come in immediately after. It is very compact, medium size, conical, and a sure header.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

AMERICAN IMPROVED SAVOY. The best of the Savoy type, which should be more largely grown.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

***DANISH BALLHEAD (Ross').** This short-stemmed type is popular on account of the great solidity and weight of the head; it is a strong, vigorous grower, producing large, round, compact heads, almost as hard as iron, weighing when trimmed, fully one-fourth more than any other cabbage of equal size. In consequence, it keeps in condition until spring.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

GOLDEN ACRE. (Danish Grown.) An extra early selection of the Copenhagen type, and the earliest of the round-headed cabbages, maturing with Jersey Wakefield. Plant small, dwarf and compact, with few outer leaves; heads of medium size, round as a ball, hard, solid and very uniform. We believe it to be the earliest cabbage in existence.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

PENN STATE BALLHEAD. Originated by Dr. Meyers of the Pennsylvania State College. It is a short stem variety, medium size heads, very hard and the color a bright green.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

MAMMOTH ROCK RED. Head larger and more solid than Red Drumhead; reliable in heading.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

FOR GOOD CROPS IT IS IMPORTANT TO PLANT ROSS' SELECTED SEEDS

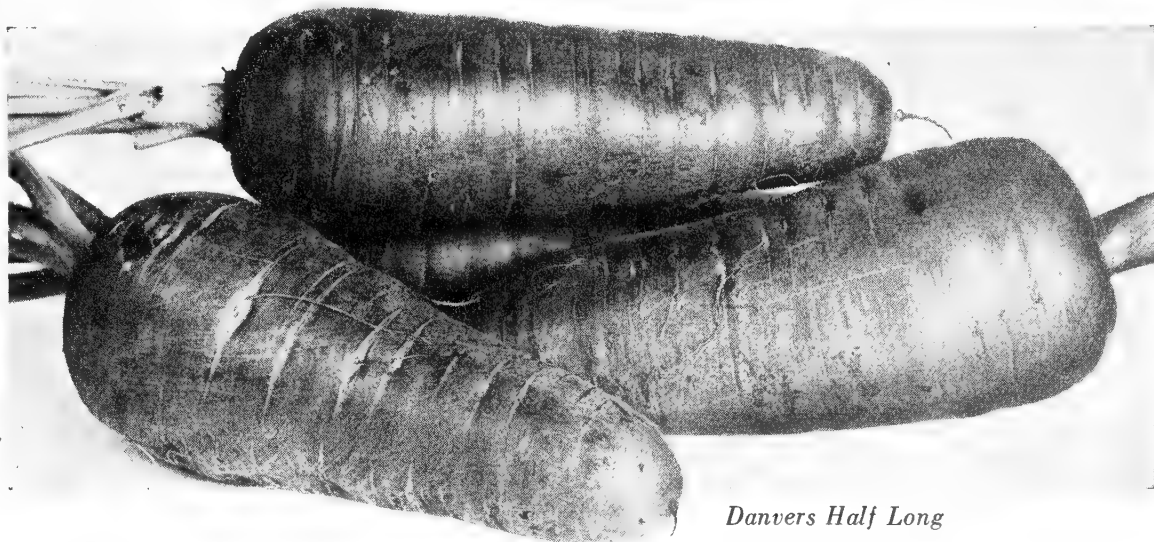


Danish Ballhead

GROW YOUR OWN VITAMINS!

**GARDEN FOR
PEACE
as for
VICTORY**

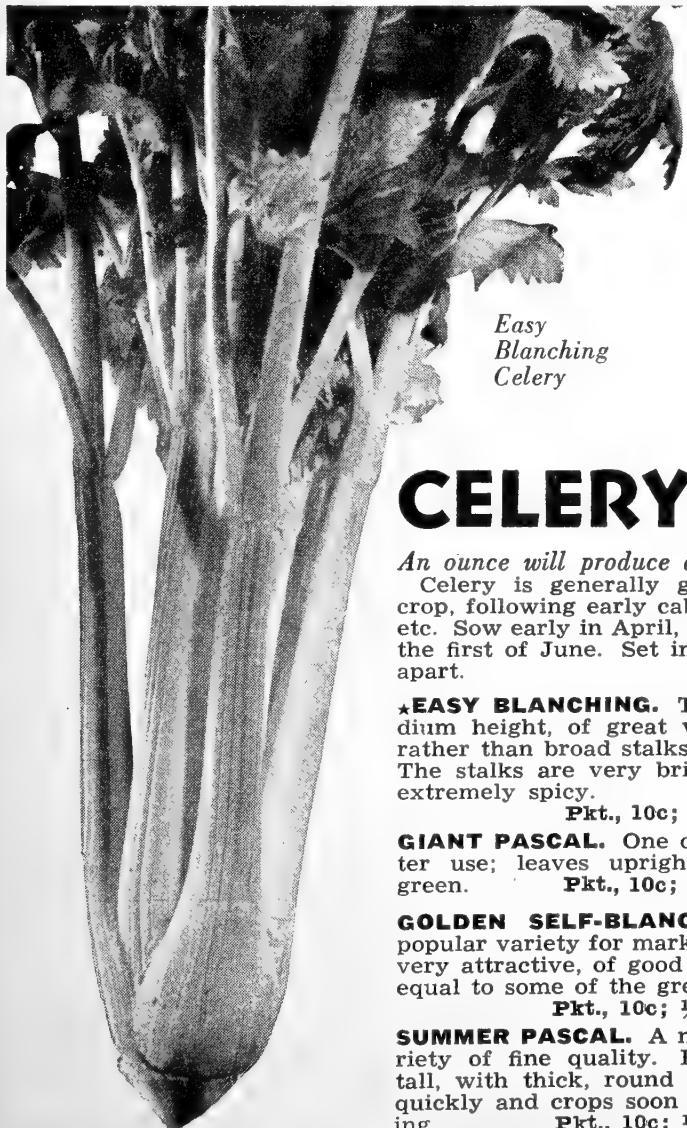
**DELICIOUS
VEGETABLES
FROM YOUR
OWN GARDEN
CONTAIN THE
VITAMINS
YOU NEED**



Danvers Half Long

CARROTS *A "Must" for Every Garden*

Culture: Prefers a deep mellow soil. Sow seed in April for early, or in July for fall crop. Sow seed one-half inch deep in rows 12 inches apart. Thin out to 3 inches apart. If their growth is checked, carrots split and become rooty. To avoid this, water them thoroughly during a drought. Make successive plantings so as to assure a constant supply all summer. Seed may be sown from early spring to as late as August first.



*Easy
Blanching
Celery*

★**CHANTENAY. (Ross').** The Most Popular of All Home Garden Carrots. A popular favorite for its rich orange-red color, its fine grained flakes, its superb flavor. Fully developed, it averages 6 inches in length, is broad at the neck and narrows gradually to a round blunt base.

Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

★**DANVERS SELECTED HALF-LONG. (Ross').** It is more easily harvested than the longer type, and is excellent to sow for winter, for stock or table use.

Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

★**HUTCHINSON.** A very large, nearly cylindrical, stump-rooted carrot, 10 to 12 inches in length, good color, and immensely productive.

Pkt., 10c; oz., 40c; ¼ lb., \$1.35.

★**NANTES, IMPROVED CORELESS.** (68 days.) Because of its fine quality, this variety is one of the best for the home garden as well as for the market. Roots 6 to 7 inches long, same the whole length with a smooth waxy appearance.

Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

★**LONG ORANGE IMPROVED.** Large size, tapering to a point, of deep orange color, and adapted to garden or field culture. A valuable food for stock.

Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

★**LARGE WHITE BELGIAN.** Grows one-third out of ground. The portion above ground is green, that below white, large and rather coarse. Used only for stock.

Pkt., 10c; oz., 25c; ¼ lb., 60c.

CELERY *for Home and Commercial Gardens*

An ounce will produce about 10,000 plants.

Celery is generally grown as a second crop, following early cabbage, onions, peas, etc. Sow early in April, transplanting about the first of June. Set in rows about 3 feet apart.

★**EASY BLANCHING.** The plant is of medium height, of great vigor, having thick rather than broad stalks, with shallow ribs. The stalks are very brittle and the flavor extremely spicy.

Pkt., 10c; ½ oz., 30c; oz., 50c.

★**GIANT PASCAL.** One of the best for winter use; leaves upright, short and dark green.

Pkt., 10c; ½ oz., 30c; oz., 50c.

★**GOLDEN SELF-BLANCHING.** The most popular variety for market, easily blanched, very attractive, of good quality though not equal to some of the green celeries.

Pkt., 10c; ½ oz., 30c; oz., 50c.

★**SUMMER PASCAL.** A new early green variety of fine quality. Plants are medium tall, with thick, round stalks. It blanches quickly and crops soon after Easy Blanching.

Pkt., 10c; ½ oz., 50c; oz., 80c.

★**WHITE PLUME.** The earliest and most easily blanched of all varieties, very showy, of good quality.

Pkt., 10c; ½ oz., 30c; oz., 50c.

CELERIAC

Turnip-Rooted Celery

Sow seed and treat in first stages of growth as directed for celery. Set in rows 2 feet apart and 6 inches apart in the row. When roots have reached a size of 2 inches in diameter they are ready for use. These are boiled, sliced, and eaten with vinegar. To keep through winter, roots should be packed in moist sand or earth.

★**LARGE SMOOTH PRAGUE.** An improved sort with nearly round roots which have but few side roots.

Pkt., 10c; ½ oz., 50c; oz., 80c.

CAULIFLOWER

An ounce will produce 3000 plants.

Sow the first week in May, transplant in July. For wintering under glass, sow second and last week in September, transplant into cold frame, give plenty of air in mild weather and cover up in severe. Again, sow in February in a hotbed and transplant in April. Use plenty of rotted manure. Select new ground, as cauliflower rarely succeeds on ground which has been cropped year after year. Plant in rows 20 inches apart and 2 feet between rows.

★**EARLY SNOWBALL.** The earliest and surest to head. We offer an unsurpassed strain from one of the leading growers in Denmark. Pkt., 20c; ¼ oz., \$1.25; ½ oz., \$2.25.

SWISS CHARD

LARGE WHITE RIBBED. Used for greens only. Much superior to other beets for greens. Plants should be thinned to about 1 foot apart. When the plants have attained full size the stems and mid-ribs are sometimes cooked and served like asparagus. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

FORDHOOK GIANT. Tall and sturdy; increasingly used. Leaves broad, heavily crumpled, dark green; stems broad, thick, white. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

LUCULLUS. A robust grower, attaining a height of 2 to 2½ feet. The stalks are thick, creamy white, and heavily ribbed. Leaves are very large, green, and heavily crumpled. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.75.

RHUBARB CHARD. It has the same coloring as rhubarb. Stalks are a bright crimson. Tasty, delicious flavor. Pkt., 10c; oz., 50c.

CHIVES

Are a small, hardy perennial plant resembling onion in appearance and growing in clusters. They are grown for the leaves, which are produced freely from early spring, and give a mild onion flavor to sausages, salads, and soups. They can be easily grown in pots at a sunny window during the winter. Pkt., 25c.

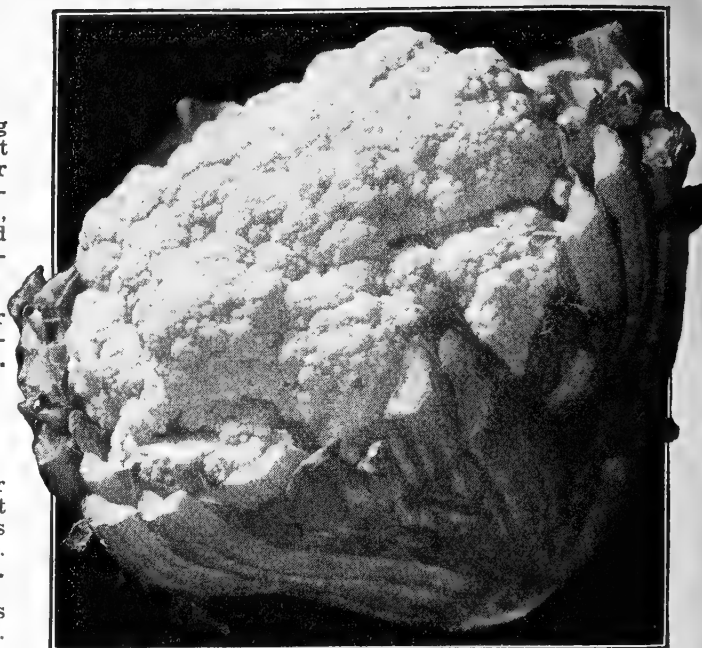
For quick long distance shipping use **AIR EXPRESS.**



Collards



*Swiss
Chard,
Giant
Lucullus*



Early Snowball Cauliflower

CHICORY

WITLOOF, or FRENCH ENDIVE. Esteemed as a salad plant. Spring-sown seed produces parsnip-like roots by November. Cut the leaves off 1½ inches from the neck, trench 1½ inches apart, cover with soil 8 inches over crown; then place a 2- or 3-foot layer of fresh manure which induces new growth of blanched leaves folded like cos lettuce, which are eaten raw as salad. Pkt., 10c; oz., 30c; ¼ lb., \$1.00.

COLLARDS

One ounce for about 5000 plants.

Collards are very largely used as "greens" in some parts of the country, especially in the South. They are a form of loose-headed cabbage. **GEORGIA.** The most satisfactory variety for general use. Pkt., 10c; oz., 25c.

DANDELION

*An ounce will sow 200 feet of drill.
Two pounds to the acre.*

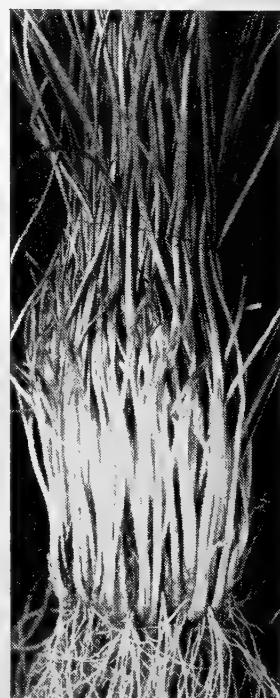
Sow early in the spring in rich soil in drills 15 to 18 inches apart, cover lightly but make the earth firm.

IMPROVED THICK-LEAVED, or CABBAGING. A distinct variety unsurpassed in thickness of leaf and deep green color. It grows compactly, forming a regular tuft. Pkt., 10c; ½ oz., 35c; oz., 65c.

CULTIVATED, or FRENCH COMMON. A greatly improved strain of the common dandelion. Pkt., 10c; ½ oz., 25c; oz., 45c.

CICCORIA CATALOGNA, or ITALIAN DANDELION. Pkt., 10c; ½ oz., 30c; oz., 50c.

We deliver free in the United States all Bulbs, Vegetable and Flower Seeds, at prices listed in this catalog. See inside front cover. Prices subject to change.



Chives

Ross' SWEET CORN

Golden
Bantam

One pound of seed will plant 200 hills or 300 feet of row; 10 to 12 pounds will plant an acre.

Open Pollinated or Standard Varieties

***GOLDEN EARLY MARKET.** Most Outstanding Development of the Yellow Kernel Type. Ears 7 inches long containing 8 to 12 rows of creamy yellow kernels. Ripens in 75 days. One of the best early yellows for home and market gardens.

Pkt., 20c; 1 lb., 40c; 2 lbs., 75c; 10 lbs. or over, 32c per lb.

GOLDEN BANTAM. A favorite with all who have grown it. The most famous sweet corn in the world today. It is the richest and sweetest of all varieties of sweet corn. Golden Bantam is dwarf, the stalks are usually 5 to 6 feet high, and the foliage is short, allowing it to stand closer together in the small garden and thus produce a large crop on a small area. We recommend planting Golden Bantam every 10 days during the planting season and you will be assured of a continuous supply of the best sweet corn.

Pkt., 20c; 1 lb., 40c; 2 lbs., 75c; 10 lbs. or over, 32c per lb.

GOLDEN GIANT. This is a cross between Golden Bantam and Howling Mob. Winner of the silver award for novelty excellence at Massachusetts Horticultural Show. Gives four times the yield per acre and twice the size of Bantam. Rich in color.

Pkt., 20c; 1 lb., 40c; 2 lbs., 75c; 10 lbs. over, 32c per lb.

GOLDEN SUNSHINE. The value of this variety lies in the fact that it matures several days in advance of the well-known Golden Bantam. The ears are very compact, about the same size of Golden Bantam, but more refined in appearance, having from 10 to 12 rows of grain. It is a very rapid grower.

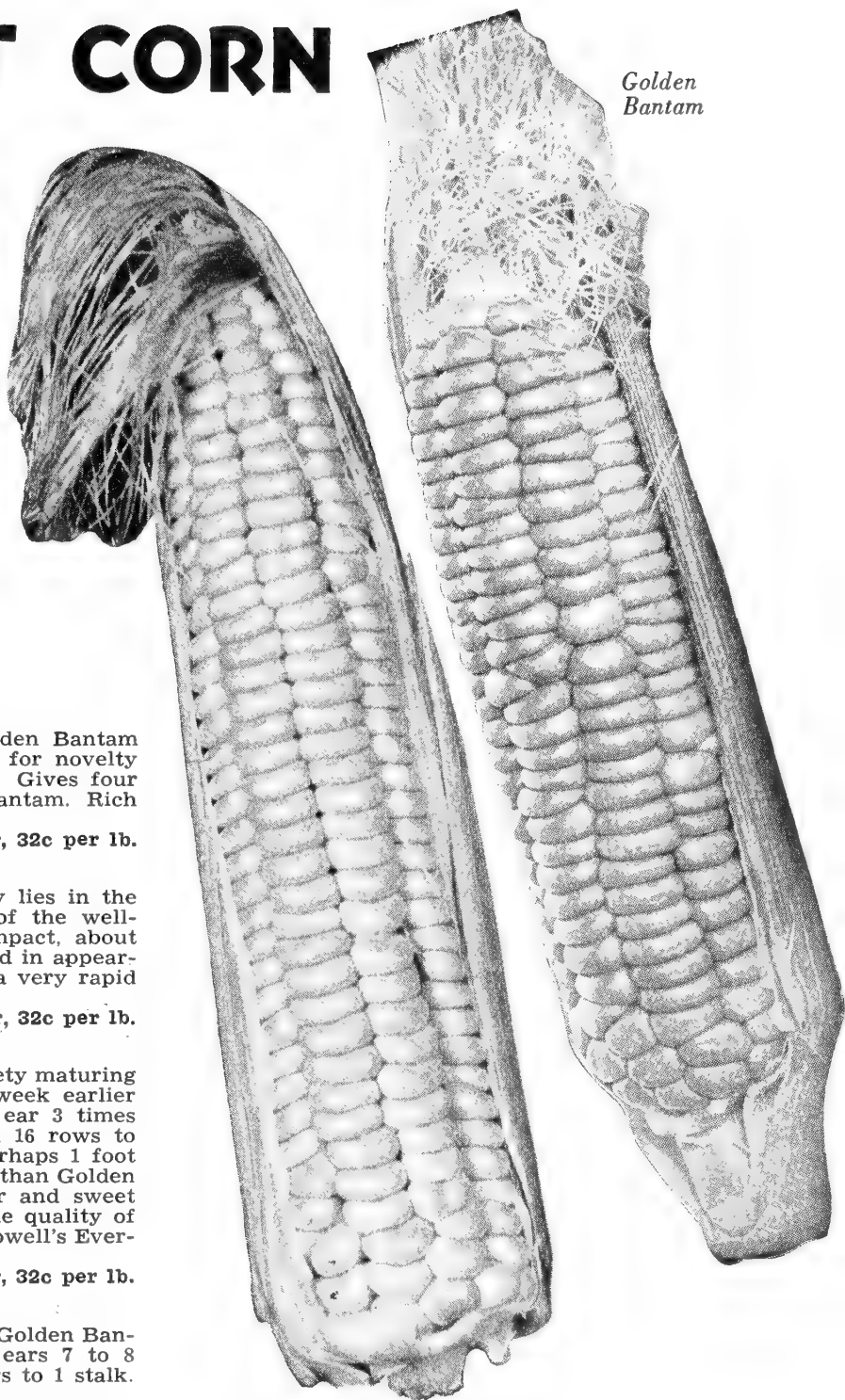
Pkt., 20c; 1 lb., 40c; 2 lbs., 75c; 10 lbs. or over, 32c per lb.

BANTAM EVERGREEN. (Yellow.) A yellow variety maturing about 10 days after the Golden Bantam and a week earlier than the Stowell's Evergreen white. It has an ear 3 times the size of Golden Bantam and runs 12, 14 and 16 rows to the ear. The stalk is about 6 feet tall and is perhaps 1 foot shorter than Stowell's Evergreen and 2 feet taller than Golden Bantam. The Bantam Evergreen has the tender and sweet qualities of the Golden Bantam and combines the quality of the Golden Bantam with the productiveness of Stowell's Evergreen. As a table variety it is unexcelled.

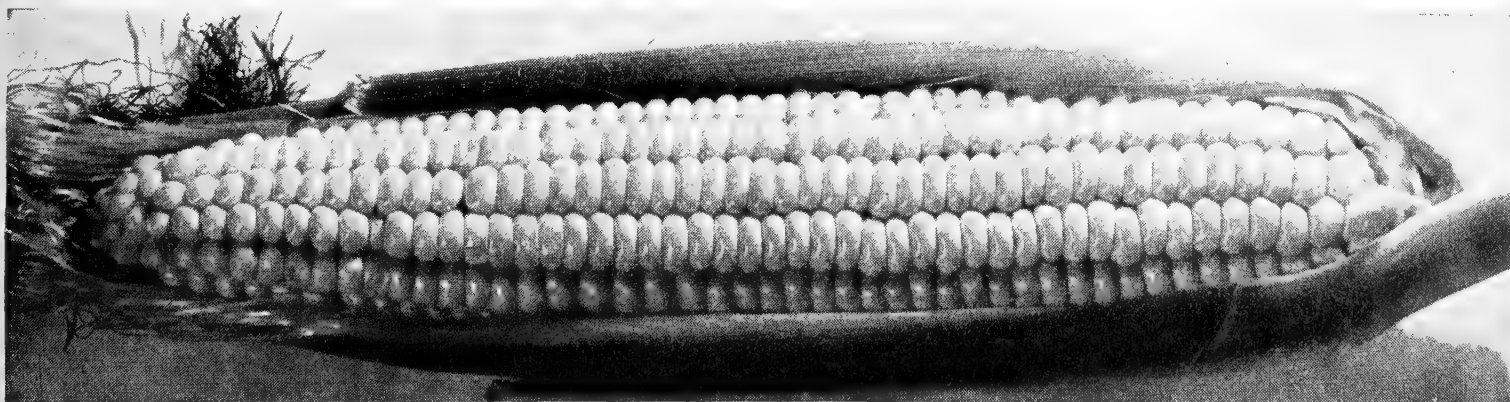
Pkt., 20c; 1 lb., 40c; 2 lbs., 75c; 10 lbs. or over, 32c per lb.

WHIPPLE'S EARLY YELLOW. Twice the size of Golden Bantam and matures about the same time, grows ears 7 to 8 inches long and 12- to 16-rowed, with often 2 ears to 1 stalk. Quality is unequalled.

Pkt., 20c; 1 lb., 40c; 2 lbs., 75c; 10 lbs. or over, 32c per lb.



If It Is a Long Haul, Use AIR EXPRESS



Bantam Evergreen

SWEET CORN — Continued

Hybrid Varieties

***GOLDEN CROSS BANTAM.** Introduced jointly by the U. S. Dept. of Agriculture and Purdue University Agricultural Experiment Station. Excellent for market gardeners. Highly resistant to Stewart's disease and very prolific. Stalks sturdy, with exceptionally broad, dark green leaves. Ears 10 to 14 rowed, slightly lighter yellow than Golden Bantam. 88 days.

Pkt., 20c; 1b., 60c; 2 lbs., \$1.15; 10 lbs. or over, 50c per lb.

LINCOLN. 86 days. Height of stalk somewhat variable, 80 to 90 inches. It has a heavier stalk than Golden Cross Bantam but the ears are also larger. This variety has good quality but not quite up to Golden Cross Bantam.

Pkt., 20c; 1b., 60c; 2 lbs., \$1.15; 10 lbs. or over, 50c per lb.

MARCROSS 6x13. We consider this the earliest large-eared hybrid. This variety has proved very prolific, very vigorous in growth and for such an early variety produces quite large ears. 72 days.

Pkt., 20c; 1b., 60c; 2 lbs., \$1.15; 10 lbs. or over, 50c per lb.

SPANCROSS. 70 days. Earliest yellow hybrid. On warm sandy land it produces the earliest crop.

Pkt., 20c; 1b., 60c; 2 lbs., \$1.15; 10 lbs. or over, 50c per lb.

White Varieties

COUNTRY GENTLEMAN. Medium size, with irregular rows of very deep and slender kernels and small cob. Sweet and tender, not surpassed in quality by any other variety with white kernels.

Pkt., 20c; 1b., 40c; 2 lbs., 75c; 10 lbs. or over, 32c per lb.

STOWELL'S EVERGREEN. The best known and most largely planted of all varieties. The Stowell's Evergreen is hard to beat and for a long time to come many will have it in preference to any other sort. Yields large ears and long, deep kernels, with rich sugary flavor and long keeping qualities. It is the standard late sort.

Pkt., 20c; 1b., 40c; 2 lbs., 75c; 10 lbs. or over, 32c per lb.

Black Mexican

A popular variety; until the introduction of the Golden Bantam, the sweetest of all. Ears of medium size; kernels large, when ripe bluish black, but at proper stage for cooking, the color shows but little if at all.

Pkt., 20c; 1b., 40c; 2 lbs., 75c; 10 lbs. or over, 32c per lb.

DELICIOUS POPCORN FOR PLANTING

GOLDEN HUL-LESS. The kernels are big and when popped make large tender popcorn of rich golden color and the finest quality.

Pkt., 15c; 1b., 30c;
10 lbs. or over,
25c per lb.



Colorado
Cucumber

CUCUMBERS

One packet of seed will sow 15 hills, 1 ounce 50 hills.

A. & C. A leading variety for shipping and market gardens. Fruits uniform, nearly cylindrical, very dark green, tapering at ends. It holds its color well. 8½ inches long, 2¼ inches in diameter and matures in 68 days.

Pkt., 10c; oz., 30c; ¼ lb., 95c

COLORADO. W.S. Fruits very dark green, cylindrical, tapering at stem end, very small seed area, fine for slicing. 8½ inches long, 2½ inches in diameter and matures in 68 days.

Pkt., 10c; oz., 30c; ¼ lb., 95c.

CUBIT. All-America Selections, 1943. A prolific, white-spined, main crop variety, distinguished by unusually uniform dark green exterior color, and long, blunt-ended, cylindrical shape. Of smooth, crisp texture, with small seed cavity, and admirably adapted for slicing. Holds its fresh quality well in shipping or at market.

Pkt., 10c; oz., 40c.

DAVIS PERFECT. Fine length, slimness, beautiful dark green color, transparent-like flesh with deliciously cool, refreshing flavor, and enjoyable crispness, are distinguishing features and qualities of this, the most popular of the extra-long, white spine cucumbers.

Pkt., 10c; oz., 25c; ¼ lb., 70c.

BOSTON PICKLING. For pickling. Its fruit is short, pointed at each end, productive and of superior quality.

Pkt., 10c; oz., 25c; ¼ lb., 70c.

***EARLY FORTUNE.** The plant is early, very vigorous, with an exceptionally heavy, thick foliage and is almost disease-resistant and very productive. Fruits are uniformly 9 inches long, slightly tapering toward each end, perfectly round and of a very dark green color which does not fade in shipping; flesh very thick, firm and crisp, and exceedingly small seed cavity.

Pkt., 10c; oz., 25c; ¼ lb., 70c.

IMPROVED WHITE SPINE. Perfection has been attained in this improvement in the White Spine family. It is early, prolific, and produces a continuous crop of uniformly large and symmetrical fruits, faintly marked with light yellowish shading toward the tip.

Pkt., 10c; oz., 25c; ¼ lb., 70c.

LONG GREEN. An old standard variety, very popular for home gardens, but little used for market. Fruit very long, slender, very firm and crisp, uniformly dark green; makes fine pickles and is the best of all when ripe for making sweet pickles.

Pkt., 10c; oz., 30c; ¼ lb., 95c.

STRAIGHT-8. W.S. For home and market garden, and shipping. Fruit uniformly cylindrical, rounded at ends, medium green, 8 inches long, 2¼ inches in diameter, and matures in 66 days.

Pkt., 10c; oz., 30c; ¼ lb., 95c.

ENDIVE

An ounce will sow 300 feet of drill, producing from 2000 to 2500 plants.

Endive, like lettuce, may be grown at any season, but is more generally used in the fall. For early use, sow in April, for later, until July, in drills 18 inches apart, or in beds for transplanting, plants should stand 10 to 12 inches apart in the row. When nearly full grown tie outer leaves over center to blanch the heart, or blanch with boards as with celery.

MOSS CURLED. Of dense growth and finely curled.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

LARGE GREEN CURLED. Of large growth, not so much curled as preceding.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

BATAVIAN BROAD-LEAVED (Escarolle). A variety having broad, more or less twisted and waved bright green leaves with thick, nearly white midribs. The inner leaves form a fairly solid, clustering head which blanches a beautiful deep creamy white and is crisp, tender, and of fine flavor. Unsurpassed for salads. Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.50.

DILL

An annual of aromatic odor and warm pungent taste. Its seeds are used for seasoning. It possesses medicinal properties but its largest use is for making dill pickles. Plant branching, 2 to 3 feet high; leaves very much cut into threadlike segments.

Pkt., 10c; oz., 20c; ¼ lb., 50c.

FENNEL (Finocchio)

FLORENCE or NAPLES. Resembles celery in flavor but has a sweet taste and delicate odor. Should be sown in spring in drills 18 inches apart and the plants thinned to 5 or 6 inches apart.

Pkt., 10c; oz., 50c; ¼ lb., \$1.50.

KOHLRABI

An ounce will sow about 200 feet of drill.

The edible part is the turnip-shaped bulb formed above ground. Combines somewhat the flavors of cabbage and turnip. Sow in light, rich soil early in spring in rows 1½ feet apart, thin to 6 inches apart in the row. Plantings at intervals of 10 days will give a succession until hot weather; when they fail to grow well. Plant the latter part of July for fall use.

EARLY WHITE VIENNA. (Extra for forcing.) Extremely early with small tops. Bulbs medium size, very light green or nearly white.

Pkt., 10c; oz., 50c.

EARLY PURPLE VIENNA. Early with small top, the leaf stems being tinged with purple.

Pkt., 10c; oz., 50c.

For long distance, AIR EXPRESS, 3 miles per minute.



Black
Beauty
Eggplant



American Broad Flag Leek

EGGPLANT

An ounce will produce about 2000 plants.

Culture: Plant the seed in March in hotbed, or, for family use, in flower pots in a warm window. Transplant in open ground after weather has become warm and settled, in rows 2 feet apart each way. Require rich soil.

LONG PURPLE. An extra early sort, fruits 7 to 8 inches long, 2½ to 3 inches thick; dark purple, smooth and attractive.

Pkt., 10c; ½ oz., 30c; oz., 50c.

NEW YORK IMPROVED (Spineless). The favorite variety. Fruit of largest size, rich purple and finest quality. Plant large, spreading and very productive; foliage light green. Pkt., 10c; ½ oz., 30c; oz., 50c.

BLACK BEAUTY. A valuable variety, ready for use 2 weeks earlier than any other sort. The fruit is thick and of a rich purplish black color. Pkt., 10c; ½ oz., 30c; oz., 50c.



Moss Curled Endive

KALE or Borecole

An ounce will produce 2000 plants.

DWARF CURLED SCOTCH. Sow in May and transplant in June, and treat generally as for cabbage. Curled, low-growing variety; the leaves, when properly cooked, make very palatable greens.

Pkt., 10c; oz., 60c; ¼ lb., \$1.75.

LEEK

Leeks require rich soil. Sow early in spring in deep drills, 18 inches apart, cover with one-half inch of soil, thin plants to about 8 inches apart. Draw the earth around them as with celery.

AMERICAN BROAD FLAG. A desirable strong growing, broad-leaved leek, hardy and productive. Favorite with market gardeners and used for the home garden.

Pkt., 25c.

MUSHROOMS

BROWN BOTTLE SPAWN. One quart bottle will seed an area of 35 to 40 square feet, depending on the size of the piece planted. Bottle Spawn is now shipped, removed from the glass container. Mushroom culture sent with every spawn.

Each, 85c; postpaid, 95c.

MUSTARD

Used mainly for salads and greens. Sow as early as ground can be worked in drills 18 inches apart and one-half inch deep. Successive sowings every 3 weeks.

WHITE or YELLOW. The common variety used to flavor pickles.

Pkt., 10c; oz., 20c; ¼ lb., 50c.

SOUTHERN GIANT CURLED. Large, light green leaves. The best for salads.

Pkt., 10c; oz., 20c; ¼ lb., 50c.

OKRA or GUMBO

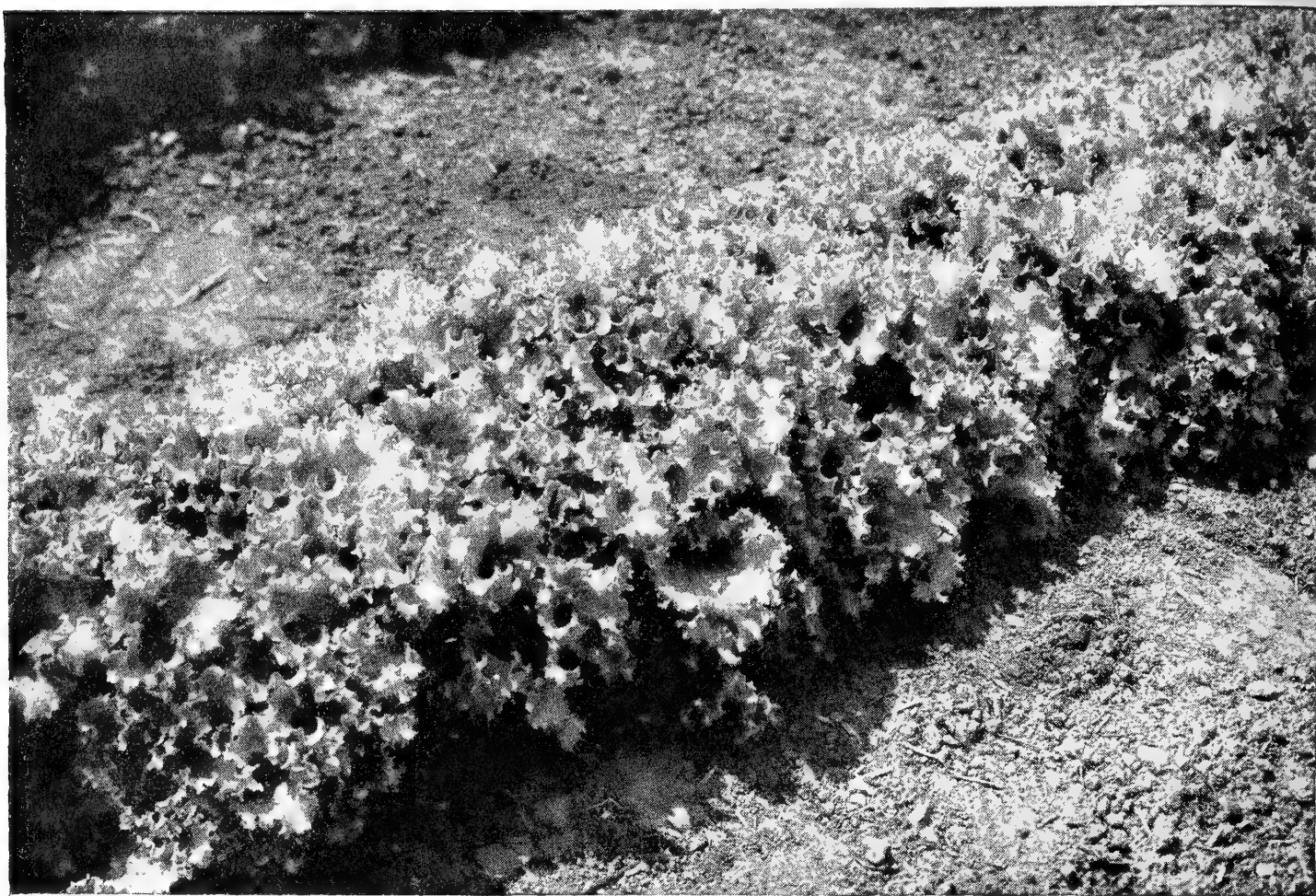
The young seed pods are used in soups or stewed and served like asparagus. Best results would be obtained by sowing seed in the hotbed. Set plants in rows 2 feet or more apart and about a foot apart in the row.

DWARF GREEN. Early and productive; best for northern cultivation.

Pkt., 10c; oz., 20c; ¼ lb., 50c.

PERKINS' MAMMOTH LONG POD. A dwarf but enormously productive variety. Pods long, slender, deep green and remain tender much longer than most sorts.

Pkt., 10c; oz., 20c; ¼ lb., 50c.



Grand Rapids Leaf Lettuce

LETTUCE *for Cool Crisp Salads*

An ounce will produce from 3000 to 4000 plants.

Lettuce thrives on nearly all soils, but because the growth should at all times be rapid to insure crispness and best flavor, the soil should be heavily enriched and well worked before planting. Lettuce being quite hardy, seed may generally be sown as soon as ground can be fitted, as while prolonged or continued freezing will kill the plants, they are but little injured by an ordinary frost. Seed may also be sown in hotbed in gentle heat, and the plants, if well hardened by having been often exposed to the air, may usually be set in the open ground very soon after the time suggested for sowing outdoors.

★**BLACK-SEEDED TENNISBALL.** More extensively grown in New England than any other variety, both for first outdoor crop and for main crop, the medium sized heads being the size most liked by gardeners, while its compact form allows it to be grown more closely together than others. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 65c.

BLACK-SEEDED SIMPSON. Much larger than the preceding, but not so much curled. Forms a large, loose cluster of leaves rather than a head; leaves light yellowish green. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 65c.

CRISP AS ICE. A midsummer variety, surpassing all of this class in crispness, tenderness and fine flavor. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 65c.

BIG BOSTON WHITE SEEDED. Probably the most generally used in cultivation. It is a cabbage-head, butter type, medium large, finely shaped, globular, medium light green with slight tinge of brown on margins of outer leaves. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 65c.

EARLY CURLED SIMPSON. (White-seeded.) An old variety, but broad, often frilled, very curly, light green leaves; sweet, tender, of fine flavor. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 65c.

GRAND RAPIDS. One of the easiest varieties of lettuce to grow. It forms no head but produces an abundant crop of pale green leaves, slightly but closely crumpled, which have an excellent flavor. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 65c.

GREAT LAKES. 82 days. Bronze Medal, 1944. The finest Iceberg yet! Superb, crisp heads even during the hot, dry weather of midsummer. The crinkled dark green leaves fold inward, blanching the heads to a cool, crisp whiteness. Pkt., 10c; ½ oz., 35c.

★**ICEBERG.** The unusual solidity of the heads is insured by the large white main ribs of the leaves, each of which curving strongly into the center, acts like a truss, making it impossible for the leaves to open outward and expose the center, which is consequently thoroughly blanched. The leaves are always crisp and tender. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00.

MAY KING. A very hardy variety of foreign origin, which owing to its hardiness, earliness and large size for a variety of this class, is coming rapidly into favor here, both for outdoor planting and for forcing. Forms compact heads, nearly, if not quite, as early as White-Seeded Tennisball. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 65c.

IMPERIAL No. 847. (Long Standing Iceberg.) This fine lettuce will do well in spring and fall, and is outstanding as a summer heading variety, even during hot weather most every plant will produce a fine solid head. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00.

★**NEW YORK No. 12. (Dark Iceberg.)** Delightful to the eye—crisp, excellent quality. Pkt., 10c; ½ oz., 25c; oz., 40c; ¼ lb., \$1.00.

PRIZE HEAD. A large, loose-leaved variety, which has been very popular for home use. Leaves very thin, crimped, bright green tinged with brownish red; sweet, tender and of good flavor, but not equal to Crisp as Ice. Pkt., 10c; ½ oz., 20c; oz., 30c; ¼ lb., 65c.

Romaine or Cos Lettuce

Distinct from the ordinary lettuce on account of their tender, crisp leaves and delicious flavor.

PARIS WHITE COS. One of the finest varieties for summer use. Pkt., 10c; ½ oz., 15c; oz., 25c; ¼ lb., 65c.

Muskmelons SWEET and JUICY

An ounce will plant about 50 hills. $1\frac{1}{2}$ to 2 pounds are required for an acre.

The Muskmelon succeeds best in warm, rich soil. Plant when all danger of frost is past, in broad hills 4 to 5 feet apart, 10 or more seeds to each hill. Cover with 1 inch of soil and firm well with the hoe.

★BENDER'S SURPRISE (The Bender Melon). A very popular variety in the East, particularly around Albany, N. Y. A selection from Surprise and a close kin to Irondequoit, differing from that variety in being more oblong, more full and rounded at the ends, not quite as well netted or as early; skin light greenish yellow when ripe. A very delicious, large salmon-fleshed melon with superior shipping and keeping qualities.

Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c.

DELICIOUS. Best described as an early strain of the Bender melon, a trifle smaller in size. Light green, finely netted, oval fruits. Firm, tender flesh of a beautiful deep orange-yellow color.

Pkt., 10c; oz., 30c; $\frac{1}{4}$ lb., 90c.

GOLDEN CHAMPLAIN. 85 days. Considered by melon growers of long experience to be the most desirable early-maturing muskmelon. A vigorous grower of medium size with salmon flesh of superb quality, well netted.

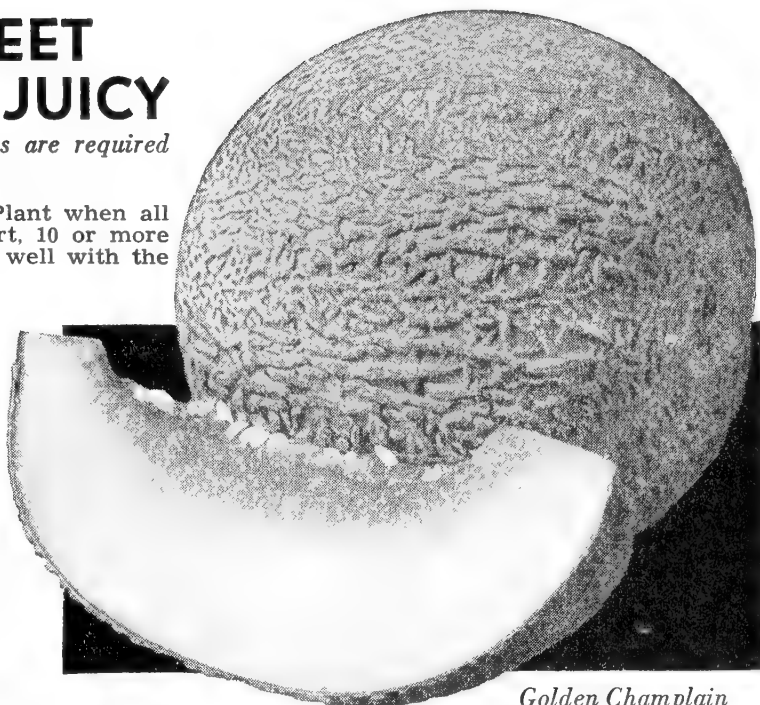
Pkt., 10c; oz., 30c;
 $\frac{1}{4}$ lb., 90c.

HEARTS OF GOLD. A fine melon, medium in size, round and well netted; flesh thick, orange-yellow, of excellent flavor.

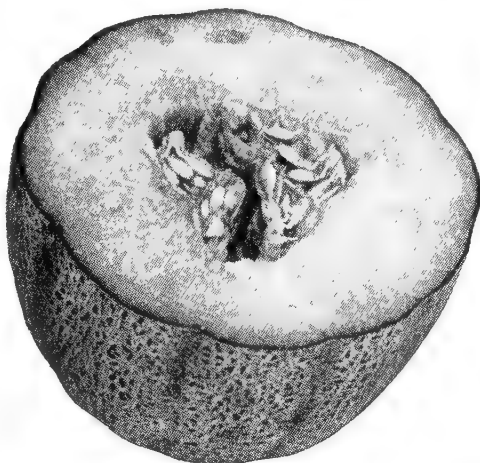
Pkt., 10c; oz., 30c;
 $\frac{1}{4}$ lb., 90c.

ROCKY FORD. More largely grown than any other of the small or basket melons. Oval, slightly ribbed, densely covered with fine netting; flesh green, thick and of rich flavor.

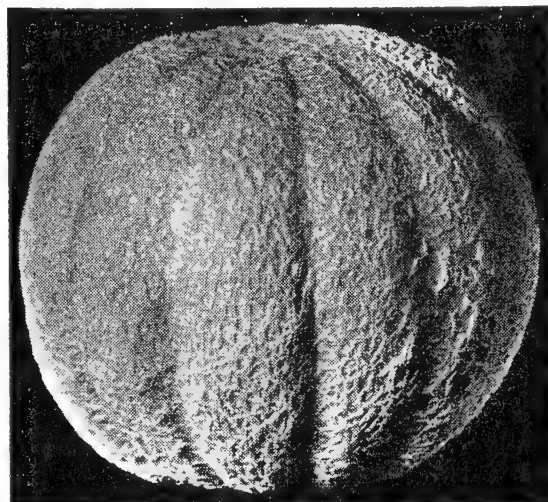
Pkt., 10c; oz., 25c;
 $\frac{1}{4}$ lb., 75c.



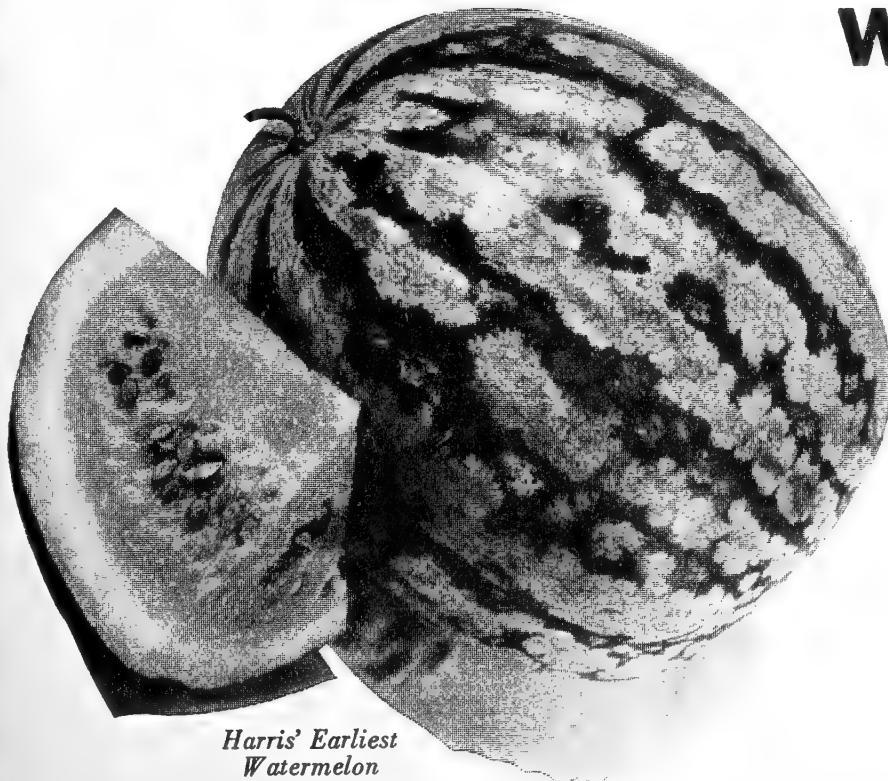
Golden Champlain



Hearts of Gold



Bender's Surprise Muskmelon



Harris' Earliest Watermelon

WATERMELONS

*Anyone Who Has
Light Sandy Soil Can
Raise Good
Watermelons*

*One ounce will plant about 25 hills;
4 lbs. to the acre.*

The culture of the watermelon is mainly the same as recommended for the muskmelon; hills should, however, be about 10 feet apart.

COLE'S EARLY. Small but very early; of fine quality and sure to mature in any latitude where melons can be grown.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

HARRIS' EARLIEST. A new extra-early variety, large and of exceptionally fine quality. Slightly oval, mottled in stripes of light and dark green. Flesh bright red. One of the most desirable for planting in the North.

Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

CITRON For preserving only. Pkt., 10c; oz., 20c; $\frac{1}{4}$ lb., 50c.

ONIONS

1 pkt. will sow 50 ft. of drill; 1 oz. about 200 ft.; 4 to 5 lbs. per acre.

Onions are very healthful and wholesome, probably used more often in the kitchen than any other vegetable, either in connection with other foods for seasoning or in many of the delicious ways to prepare them for their own tempting goodness. Highly prized for their tonic qualities, and doctors everywhere recommend the use of onions in the diet because they are wholesome and nutritious.

Onions are not hard to grow. They like a clean, rich soil. Sow as early as possible in drills 1 foot apart.

AILSA CRAIG. Of mammoth size, larger than the Prize-taker, oval-shaped, pale straw colored skin; of very mild flavor. Extra large onions can, however, be obtained by sowing seed early in the spring in the hotbed and transplanting to the open ground. Pkt., 10c; ½ oz., 35c.

★**EARLY YELLOW GLOBE.** This is a yellow, globe-shaped onion with a fine yellow color, a good winter keeper, as its skin is very thick. It will mature 3 weeks earlier than Danvers and yields very heavily.

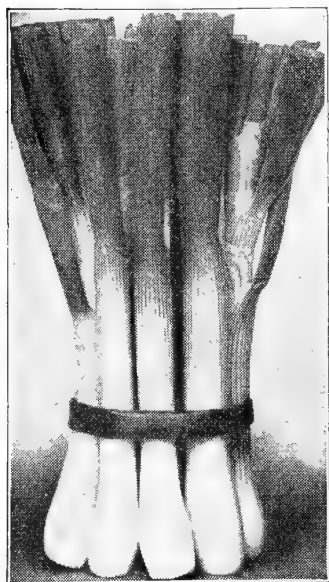
Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

WHITE PORTUGAL or SILVERSKIN. An early white, flat variety, of medium size and mild flavor.

Pkt., 10c; ½ oz., 35c; oz., 60c.

LARGE RED WETHERSFIELD. The standard red variety. Bulb large, flattened but thick; skin deep purplish red. The best of all for light soils.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.



PRIZETAKER. Grows to an immense size and for fall marketing is unexcelled. Although of such great size, it is very hardy and a fair winter keeper, as it ripens up hard and firm. Very fine grained and of mild delicate flavor. The outside skin is rich yellow while the flesh is white. Pkt., 10c; ½ oz., 50c.

★**YELLOW GLOBE DANVERS.** The standard variety for winter use in the eastern markets. Produces well-ripened bulbs, averaging 2 inches in diameter. Skin light golden brown or pale yellow, flesh pure white, crisp, and mild in flavor. The plants have very slender necks, and consequently the bulbs keep well over winter. On account of their attractive shape and color, and their excellent keeping qualities, they always bring a good price in the markets. Selected strain.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.75.

SWEET SPANISH. 110 days. Mild-flavored, globe shaped, light yellow onion of Spanish origin that grows to large size. Pkt., 10c; ½ oz., 40c; oz., 75c.



Prizetaker Onion

ONION SETS

1 lb. will plant 100 feet of row; 250 to 335 lbs. per acre.

We do not deliver Onion Sets free, purchaser pays transportation. Onion Sets weigh 1 pound per quart. For parcel post zone rates see back of order blank.

These sets will provide small green onions in 2 to 3 weeks after planting seeds, and are an important crop to precede the seed-sown varieties. They mature large onions much earlier than can be grown from seed. May be planted in early spring as soon as danger of freezing is past.

WHITE.

Lb., 35c; 5 lbs., \$1.65; 10 lbs., \$3.00.

YELLOW.

Lb., 35c; 5 lbs., \$1.65; 10 lbs., \$3.00.

EGYPTIAN or PERENNIAL. (For delivery in September.)

Special Prices On Bushel Lots.

PARSLEY Every Garden Should Have a Few Plants. It Adds Zest and Color to the Menu

One ounce will sow 200 feet of drill.

Always required for garnishing, also used for flavoring soups and stews and in salads.

Culture: Sow early, seed is slow to germinate; early radishes can be sown in same row and will be used before parsley is up. A rich soil is best, but parsley will thrive in any soil.

CHAMPION MOSS CURLED. This is a prize winning English variety. Handsome, compact plants. Leaves have the appearance of finely curled moss. Hardy and slow to run to seed.

Pkt., 10c; oz., 20c; ¼ lb., 50c.

PLAIN LEAF. The leaves of this variety are flat, deeply cut but not curled. Desirable for flavoring soups and stews, and for drying. The curled sorts are more extensively used for garnishing.

Pkt., 10c; oz., 20c; ¼ lb., 50c.

PARAMOUNT. One of the best Triple Curled Parsleys we have ever seen. The leaves are a beautiful dark green, very finely curled and extremely uniform. One of the All-America selections.

Pkt., 10c; oz., 20c; ¼ lb., 50c.



Paramount Parsley

GARDEN PEAS

*Plant Them Generously
But Plant Them Early*

**Inoculate
This Seed With
NOD-O-GEN**

One pound will plant about 100 feet; 70 to 85 lbs. an acre.

Peas of the extra early, smooth class are first to be planted in the spring. The wrinkled sorts follow later, as they are not quite so hardy. The tall, late varieties need brush, wire or some other support. Though light, warm soil is desirable for the extra early varieties, peas generally produce a much larger crop on soil which is moderately heavy.

Plant the early and dwarf varieties in drills $2\frac{1}{2}$ feet apart and 3 or 4 inches deep, cover with only 1 inch of soil and fill the trench gradually as plants grow. Plant the taller and later varieties in rows 3 or 4 feet apart and 5 to 6 inches deep, covering as already suggested. The tall, late varieties, plant in double rows

Extra Early Dwarf Varieties

DWARF TELEPHONE or DAISY. Pods large; peas wrinkled, sweet and tender, a heavy bearer. Height 18 inches.

**Pkt., 20c; lb., 45c; 2 lbs., 85c;
10 lbs. or over, 38c per lb.**

***BLUE BANTAM. An Extra Early Dwarf Producer.** The best early dwarf wrinkled pea. It is unequalled for combination of extreme earliness, superb quality and unusual productiveness. Vigorous vines average 15 inches in height and carry extra heavy crops of long, deep bluish green pods. Pods measure 4 to $4\frac{1}{2}$ inches long, tightly packed with 8 to 10 large deep bluish green peas. A Ross recommendation tested and proved for its fine quality.

**Pkt., 20c; lb., 45c; 2 lbs., 85c;
10 lbs. or over, 38c per lb.**

***GIANT PODDED HAMPER.** Large pods $4\frac{1}{2}$ to 5 inches long, dark heavy vines about 22 inches high, maturing in 65 days. One of the heaviest yielding early peas grown.

Pkt., 20c; lb., 45c; 2 lbs., 85c.

LAXTON'S PROGRESS. A New Dwarf Variety, 18 Inches Tall. Ready a few days earlier than Laxtonian. Pods 4 inches long, with 8 to 10 large sweet peas. Vines average 18 inches in height, bearing heavy crops in 53 days.

**Pkt., 20c; lb., 45c; 2 lbs., 85c;
10 lbs. or over, 38c per lb.**

***LAXTONIAN. A Grand Early Marrow Dwarf Pea. Vigorous and Dependable Grower.** The pods are not only large, but are always well filled with peas of great size and remarkably good quality. The crop is ready for use about a week later than the earlier sort. The vines grow 18 inches high and each pod contains 8 to 9 peas.

**Pkt., 20c; lb., 45c; 2 lbs., 85c;
10 lbs. or over, 38c per lb.**

LITTLE MARVEL. A prolific early dwarf garden pea. Recommended to the home gardener. Pods average 3 to 4 inches long.

**Pkt., 20c; lb., 45c; 2 lbs., 85c;
10 lbs. or over, 38c per lb.**

NOTT'S EXCELSIOR. Extra early dwarf growth. Excellent for home garden; hardy and vigorous, and will mature in 60 days. The pods are filled with 7 to 9 large peas, superior in sweetness and quality. Large and vigorous vines bearing an enormous yield.

**Pkt., 20c; lb., 45c; 2 lbs., 85c;
10 lbs. or over, 38c per lb.**

SUTTON'S EXCELSIOR. The vine is of more vigorous growth than the Nott's Excelsior, a little taller, fully as productive and matures its crop nearly as early, while both pods and peas are decidedly larger.

**Pkt., 20c; lb., 45c; 2 lbs., 85c;
10 lbs. or over, 38c per lb.**

Extra Early Varieties—Taller Growth

ALASKA. Very early, smooth, blue pea. Popular with canners and market gardeners for a first early sort. Height $2\frac{1}{2}$ feet. Foliage and pods light green; pods $2\frac{1}{2}$ inches long, round, straight and square ended, containing 6 light green peas. Very uniform in maturity.

**Pkt., 20c; lb., 40c; 2 lbs., 75c;
10 lbs. or over, 33c per lb.**

***ROGERS' GILBO.** The vines grow about 2 feet high. Pods are $4\frac{1}{2}$ to 5 inches long, and will mature in about 69 days from planting. This pea is very hardy so can be planted earlier than other wrinkled sorts.

**Pkt., 20c; lb., 45c; 2 lbs., 85c;
10 lbs. or over, 38c per lb.**

GRADUS. A remarkable variety, combining earliness and peas of largest size and best quality. Mature soon after Nott's Excelsior. Vine resembles the Telephone but is only 3 to $3\frac{1}{2}$ feet high

on rich land; productive. Pods 4 inches long, straight, slightly curved at end, light green, well filled.

**Pkt., 20c; lb., 45c; 2 lbs., 85c;
10 lbs. or over, 38c per lb.**

THOMAS LAXTON. Vine of about the same height as the Gradus, of similar habits but much darker, harder and more productive. More attractive and better filled with peas as large and equal in quality.

**Pkt., 20c; lb., 45c; 2 lbs., 85c;
10 lbs. or over, 38c per lb.**

ROSS' WORLD'S RECORD. A large, early wrinkled pea with pods $3\frac{1}{2}$ to 4 inches long. The pods are well filled with peas of excellent quality. The vines are vigorous, growing about 36 to 40 inches high. Peas are ready to pick 4 to 5 days before Gradus. A variety which should be in every garden.

**Pkt., 20c; lb., 40c; 2 lbs., 75c;
10 lbs. or over, 36c per lb.**

Second-Early, Medium and Late Varieties

ALDERMAN. This midseason pea, tall growing, is of English origin, and a few days later than the "Improved Telephone."

**Pkt., 20c; lb., 40c; 2 lbs., 75c;
10 lbs. or over, 36c per lb.**

CHAMPION OF ENGLAND. Vine $4\frac{1}{2}$ to 5 feet high; productive. Pods $2\frac{3}{4}$ to 3 inches long, broad, well filled. Peas of medium size.

**Pkt., 20c; lb., 45c; 2 lbs., 85c;
10 lbs. or over, 38c per lb.**

***IMPROVED TELEPHONE.** Extensively grown. Vine $3\frac{1}{4}$ to 4 feet. Productive on good soil. Pods large. Peas above medium size, of best quality.

**Pkt., 20c; lb., 40c; 2 lbs., 75c;
10 lbs. or over, 36c per lb.**

For long distance, AIR EXPRESS, 3 miles per minute.

PEPPERS

Sweet and Hot

An ounce will produce from 1500 to 2000 plants.

Sow in hotbed in March or April; transplant in open ground when all danger of frost is over, in rows 3 feet apart and 2 feet apart in the row. Seed can be sown outside late in May. Cover seed one-half inch and thin as above.



Windsor "A"
Pepper

BELL or BULL NOSE. Large, bell-shaped, thick-fleshed and less pungent than some other sorts. Good for filling. Pkt., 10c; ½ oz., 35c; oz., 60c.

HARRIS EARLY GIANT. The earliest known pepper and for the far North the most desirable. Plant very dwarf and compact in growth and extremely productive. Fruit 3-lobed, 3½ inches in length by 2½ inches in diameter, very mild and sweet.

Crop failed.

CALIFORNIA WONDER. A midseason variety, mild and sweet, about 4½ inches long by 4 inches in diameter. Heavy walls, bright green changing to brilliant crimson. Pkt., 10c; ½ oz., 60c; oz., \$1.00.

LONG RED CAYENNE. Fruit very slim, pointed, about 4 inches long, and when ripe, bright red. Extremely pungent. Pkt., 10c; ½ oz., 45c; oz., 85c.

RED CHERRY.

Pkt., 10c; ½ oz., 45c; oz., 85c.

SQUASH, or TOMATO SHAPED. Fruit flat or tomato-shaped and somewhat ribbed; flesh thick and slightly more pungent than other large sorts, early and sure to mature.

Pkt., 10c; ½ oz., 60c; oz., \$1.00.

WINDSOR "A". It is a thick-walled type, very desirable for home or garden use. The plant is of medium height and very prolific. The fruits are sweet, smooth, thick meated and very little wrinkled or furrowed, mostly three-lobed, occasionally, however, blunt-pointed without lobes. This pepper has the advantage of being extremely early and having a very heavy first set of fruit.

Pkt., 10c; ½ oz., 60c; oz., \$1.00.

WORLD BEATER. Large, smooth, beautiful peppers. Mild flavor, very early to ripen. Very prolific.

Pkt., 10c; ½ oz., 50c; oz., 90c.

If you are in doubt as to the best varieties of vegetables for your garden, or where to get the best seed, consult with the nearest agricultural school or experiment station. You will find the men there very able and always willing to give you the necessary help.

Tasty Parsnips—Dig them Out of the Snow

Long
Red
Cayenne

One ounce will sow 200 feet of drill; 6 lbs. are required for an acre.

A vegetable for all winter use, with a rich, sweet flavor that most people like. Easily and cheaply grown.

Culture: Sow early in the spring, seed is slow to germinate. Sow one-half inch deep in rows 2 feet apart. Thin to 5 inches in rows. Frost sweetens them; can be left in the ground all winter.

ARLINGTON LONG SMOOTH. Roots very long and smooth, with full crown, desirable for deep soil and, owing to the full crown, is less liable to rot if left in the ground through the winter than the Hollow Crown.

HEAVY BEARING PEANUTS

SPANISH. The best variety. An early, heavy bearer; bushes growing close, so very easily cultivated. Best re-cleaned seed stock.

Pkt., 10c; lb., 40c, postpaid.

By express, 10 lbs. or more, 35c per lb.

★**HOLLOW CROWN.** (110 days.) A good cropper, roots 15 inches long, 3 inches in diameter at the top. An old standard variety.

Prices: Of each variety we offer a choice selected strain, each, pkt., 10c; oz., 20c; ¼ lb., 50c.



Certified Seed Potatoes

Shipment from April 1st to June 1st

Culture: Cut the seed into pieces, having 2 or 3 eyes. Plant in furrows 3 feet apart and 12 to 15 inches apart in the row. One peck of potatoes should be sufficient to plant 75 to 100 hills; 10 to 14 bushels are required to plant an acre. Potatoes do best on new soil and will respond generously to fertilizer applications. Cultivate by bringing the soil well up around the plant. Spray or dust the plants for insects and blight.

Green Mountain

The most popular potato in the world; ideal for main crops, and excellent for baking. A dependable winter keeper.

A reliable medium late potato that is so popular in some sections it has superseded all other main crop varieties. It seems to thrive in all soils and in all localities, making heavy, healthy vines and yielding big crops of large, smooth white skin tubers of handsome flattish oval form. They cook white, dry and mealy.

Chippewa★

A Companion Potato with Green Mountain.

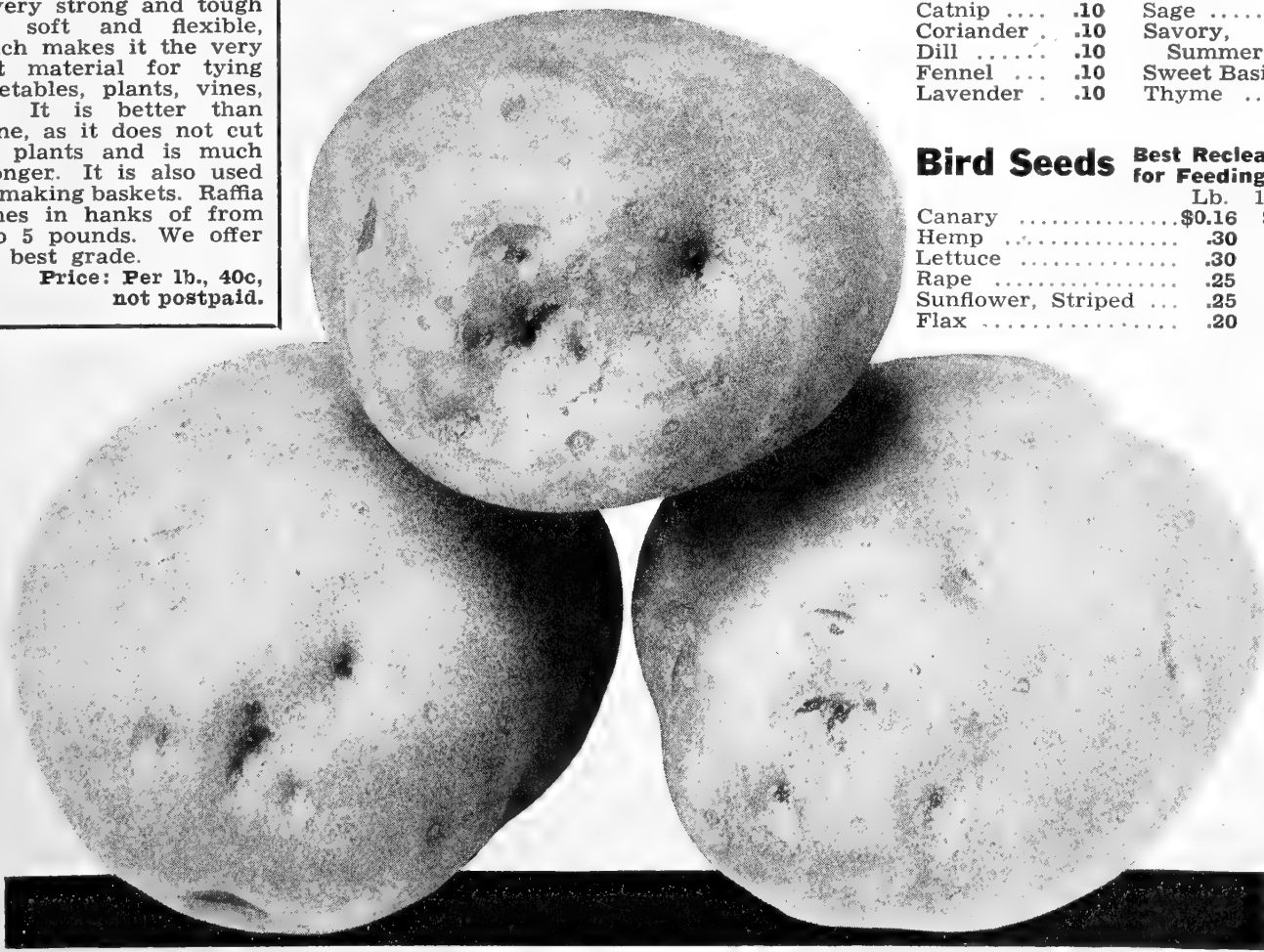
The Chippewa is a recent introduction of the United States Department of Agriculture. It is a high yielding potato, highly resistant to mild mosaic. It has a velvety white skin with very shallow eyes; regular in outline, oblong to elliptical in shape. It matures earlier than the Green Mountain and other late maturing varieties. It consistently produces an attractive tuber with a very high percentage of No. 1 potatoes. A distinct advantage possessed by the Chippewa is its maturity before the usual time of digging the late crop. While it is not classed as an early variety, it matures somewhat earlier than Green Mountain and other late maturing varieties. **Maine Certified Seed.**

Raffia for Tying

Raffia is the straw-colored inner skin of a palm found in Madagascar. It is very strong and tough but soft and flexible, which makes it the very best material for tying vegetables, plants, vines, etc. It is better than twine, as it does not cut the plants and is much stronger. It is also used for making baskets. Raffia comes in hanks of from 1 to 5 pounds. We offer the best grade.

Price: Per lb., 40c, not postpaid.

We Recommend POTA-TOX for Use as a Spray or Dust On Potatoes



Irish Cobbler

Irish Cobblers

An early, white-skinned variety; very short, thick, inclining to round. This is yearly increasing in popularity for the early market. Ready for market about 10 days earlier than the Early Rose; tubers are uniformly larger and in average production of large crops it is not equaled by any of the extra early varieties, nor greatly surpassed in yield by any of the main crop varieties. The vine is very stocky and vigorous, not as liable to be affected with blight or to suffer by drought as most others. A dependable early variety.

Katahdin

The Long Keeping Potato.

Originated by the U. S. Department of Agriculture and promising to become the outstanding late potato for market or storage. It was originated in Maine, by double crossing unnamed seedlings of Rural New Yorker No. 2 and Aroostook Wonder parentage. It was bred for disease resistance, quality and yield. During the 8 years it was under observation, it has been entirely free from mild mosaic. In yield it has constantly surpassed Rural New Yorker or Green Mountain. The tubers are smooth, short, elliptical to roundish, and have few, very small eyes. The crisp white flesh has a distinct desirable cooking quality which appeals to the housewife.

The Potatoes we offer are grown in Aroostook County, Maine, and are certified by Maine State officials. We suggest that you plant new certified seed each season.

Prices, subject to change: 30 lbs., \$1.73; 60 lbs., \$3.36; 100 lbs., \$5.00 at Worcester.

Herbs

	Pkt.		Pkt.
Anise	\$0.10	Marjoram,	
Caraway ..	.10	Sweet ..	\$0.10
Catnip ....	.10	Sage .....	.25
Coriander ..	.10	Savory,	
Dill .....	.10	Summer ..	.10
Fennel ...	.10	Sweet Basil	.10
Lavender ..	.10	Thyme ...	.10

Bird Seeds Best Recleaned for Feeding Only

	Lb.	100 lbs.
Canary	\$0.16	\$12.00
Hemp .....	.30	21.00
Lettuce .....	.30	24.00
Rape .....	.25	24.00
Sunflower, Striped ...	.25	17.00
Flax .....	.20	13.00

Radishes You'll Want Them All Summer —Plant Every Two Weeks

An ounce will sow 100 feet of drill.

The secret in growing good radishes consists chiefly in the observance on the part of the grower of 3 points. First, they should be grown on light quick soil. Second, they should be given plenty of water, and last, but by no means least, the right kind of seed should be sown. For the first crop sow as early in spring as ground can be worked, and every two weeks through the season.

A warm, sandy loam, made rich and light by strong manure, is best. Sow in drills 10 to 12 inches apart. The winter varieties should be sown in July and August. One ounce will sow 100 feet of drill, 8 to 10 pounds per acre.

***EARLY SCARLET GLOBE.** A very early globe-shaped radish suitable for open ground. The radishes are of handsome shape, attractive bright red, and are crisp, solid and of the finest quality. They grow so rapidly that under favorable circumstances they may be pulled 20 days from sowing the seed. This is the most popular variety for forcing. Our seed is of the very finest strain grown from transplanted roots and will be found unsurpassed.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.25.

CRIMSON GIANT. An early but large, round or slightly globular radish adapted for either forcing or outdoor cultivation. While it grows much larger than other forcing varieties, it does not become pithy under glass, nor outdoors, even when it is twice as large and older. Beautiful crimson-carmine, attractive and of fine quality.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.25.

EARLY SCARLET TURNIP. A small, round variety, with small tops; quick grower. Popular for forcing and outdoors. Deep scarlet.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.25.

EARLY SCARLET TURNIP. White Tipped. Root nearly round, slightly flattened at bottom, bright scarlet with tip of clear white, early and attractive; suitable for forcing and outside planting.

Pkt., 10c; oz., 20c; ¼ lb., 50c; lb., \$1.25.

EARLY LONG SCARLET. Short-Top. Once the most popular radish but has been largely displaced by the round varieties; 6 to 8 inches long, matures in 25 to 30 days. **Pkt., 10c; oz., 20c.**

EARLY WHITE GIANT STUTTGART. Root large, clear white, often 4 inches in diameter. Can be stored for winter use.

Pkt., 10c; oz., 20c.

FRENCH BREAKFAST. Stump-rooted; about 3 inches long. Bright scarlet, tipped white.

**Pkt., 10c; oz., 20c;
¼ lb., 50c; lb., \$1.25.**

LONG BLACK SPANISH WINTER. One of the hardiest and best for winter use.

Pkt., 10c; oz., 20c.

ROUND BLACK SPANISH. White flesh with black skin.

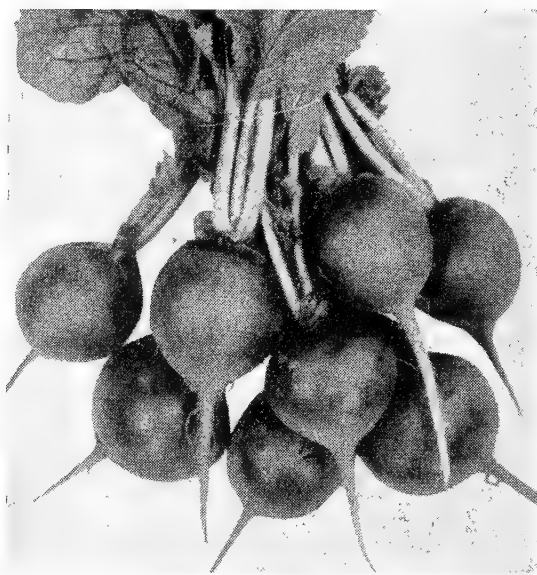
Pkt., 10c; oz., 20c.

***WHITE ICICLE.** The earliest pure white, long, summer radish. Roots when matured are 5 to 6 inches long by about ½ inch in diameter. One of the best outdoor summer radishes.

**Pkt., 10c; oz., 20c;
¼ lb., 50c; lb., \$1.25.**

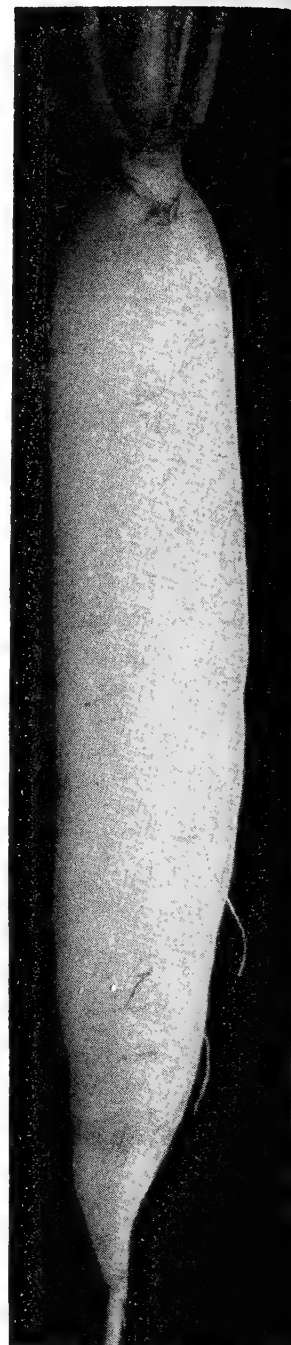
WHITE STRASSBURG. A fine summer variety, growing about 4 inches long and 2 inches thick. Pure white. **Pkt., 10c; oz., 20c;
¼ lb., 50c; lb., \$1.25.**

**For Good Crops It Is
Important to Plant
Ross' Selected Seeds**



Early Scarlet Globe

*Early
Long
Scarlet*



White Icicle

Pumpkin for Pies

An ounce will plant 25 hills.

SMALL SUGAR. The popular variety in New England for pies; fine grained and sweet.

Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.40.

CONNECTICUT FIELD. The standard variety for feeding stock.

Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.40.

JUMBO or KING OF THE MAMMOTHS. The largest of all pumpkins. Skin orange-salmon; flesh bright yellow, very thick, fine grained and of excellent quality for pies.

Pkt., 10c; oz., 20c; ¼ lb., 45c; lb., \$1.40.



Small Sugar Pumpkin



Victoria Rhubarb

RHUBARB

Fresh and Delicious

The roots can be raised from seed sown in spring, and are ready to transplant to the permanent bed the next spring. The seed must be sown in fine, rich soil, and the seedlings must have good care.

VICTORIA. The most popular variety, fine for family use and market. Comes quite true from seed.

Pkt., 10c; oz., 25c; ¼ lb., 90c.

RHUBARB ROOTS. Sent by express or parcel post at buyer's expense. Each, 25c.

SALSIFY

An ounce will sow 50 feet of drill.

Sow early and deeper than parsnip, otherwise culture is the same and, like parsnips, roots, if desired, may be left in the ground through the winter, but should be dug very early in the spring, as they deteriorate after growth commences.

MAMMOTH SANDWICH ISLAND. Larger, of strong growth, and less liable to grow spongy than the old Long White.

Pkt., 10c; oz., 35c; ¼ lb., \$1.25.



Salsify

Spinach DOCTORS AND THE FUNNIES RAVE ABOUT ITS VIRTUES

An ounce will sow 100 feet of drill; 14 to 16 pounds to the acre.

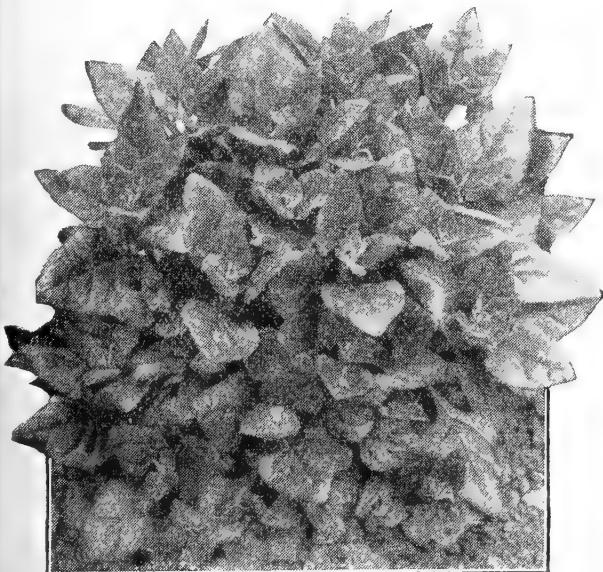
Culture: For spring and summer use, sow in drills one foot apart and one inch deep, as early as the ground can be worked, and every two weeks for a succession. For winter and early spring use sow in September in well-manured ground; cover with straw on the approach of severe cold weather. The ground cannot be too rich.

***SUMMER SAVOY.** This strain of Long Standing Bloomsdale is fine for a summer crop as it will stand hot weather well. It is a little darker than Bloomsdale Long Standing. Pkt., 10c; oz., 15c; ¼ lb., 40c.

SAVOY-LEAVED, or BLOOMSDALE. The earliest variety and used almost entirely for fall sowing, as it runs quickly to seed in warm weather. Leaves of medium size, dark green, pointed and crimped. Pkt., 10c; oz., 15c; ¼ lb., 40c.

SAVOY, VIRGINIA YELLOWS-RESISTANT. It will grow on disease-infested soil and produce a crop where others fail. Pkt., 10c; oz., 15c; ¼ lb., 40c.

NEW ZEALAND. The hot weather spinach. Leaves and stems are succulent and tender. May be picked frequently during the summer. Pkt., 10c; oz., 25c; ¼ lb., 75c.



New Zealand Spinach

BLOOMSDALE LONG STANDING. In appearance quite similar to the Bloomsdale strain, the leaves being more intensely green. On account of the low per cent of male plants it stands heat remarkably well. After other kinds have gone to seed this will stand for a long time.

Pkt., 10c; oz., 20c; ¼ lb., 50c.

***EARLY GIANT THICK-LEAVED.** Leaves very large and thick, deep green, attaining a size suitable for use early and plant grows to a large size before running to seed.

Pkt., 10c; oz., 20c; ¼ lb., 50c.

Small Summer Garden Collection

Sent postpaid in the United States for \$1.00. Catalog total price, \$1.25.

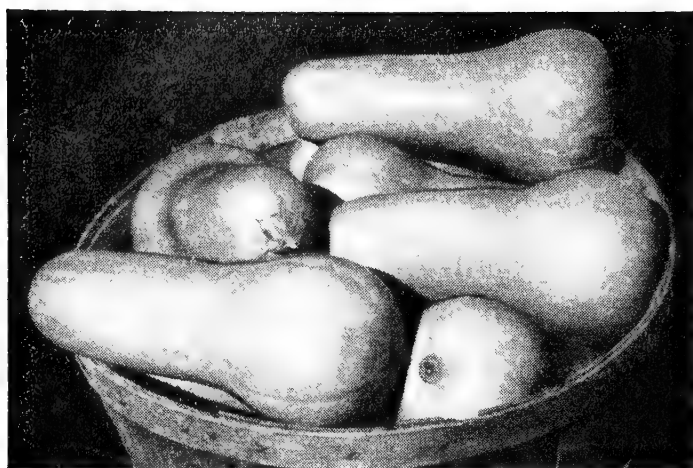
One packet of seed of each of these 9 varieties:

Black Wax Beans
World Record Peas
Golden Early Market
Sweet Corn
Early Wonder Beet

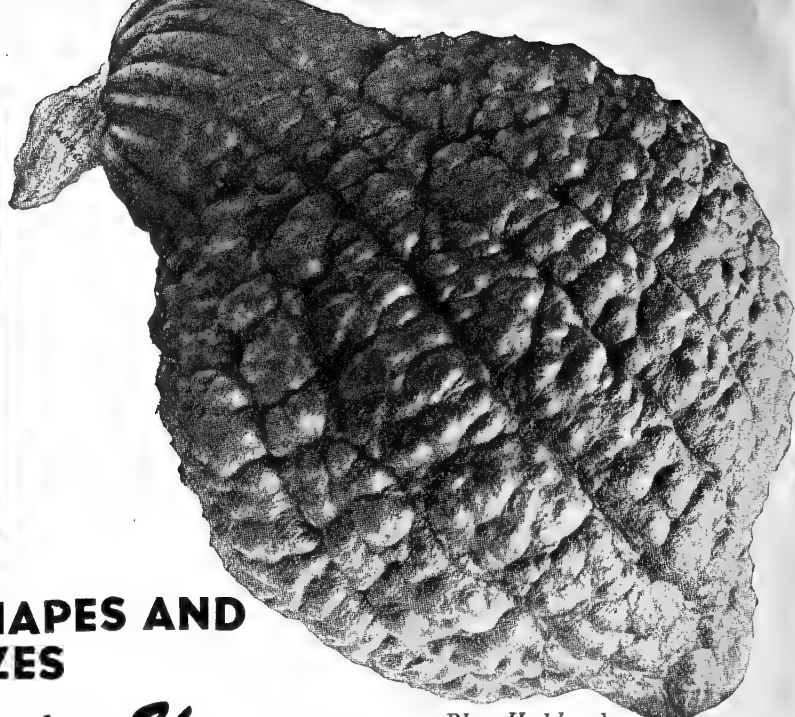
Danvers Carrot
Fortune Cucumber
Iceberg Lettuce
Scarlet Globe Radish
Summer Crookneck Squash



Early Giant Thick-Leaved Spinach



Butternut



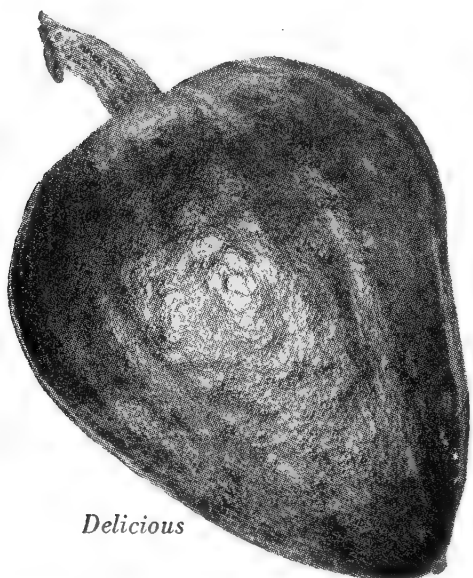
Blue Hubbard

SQUASH IN ALL SHAPES AND SIZES

for Summer and Winter Use

An ounce will plant from 10 to 25 hills.

Squash seed should be planted at about the same time and in the same manner as cucumbers and melons. The hills should be 9 feet apart each way, slightly elevated and highly manured. Bush varieties may be planted closer together. Use plenty of seed, as the bugs will destroy some plants.



Delicious

***BLUE HUBBARD.** Special Market Gardeners' strain. The Symmes Blue Hubbard is an entirely distinct variety resembling the Warty Hubbard in shape. It is a pale light blue color, very thick meated, dry and very sweet; its eating qualities can not be surpassed. **Pkt., 10c; oz., 25c;**

¼ lb., 85c; 1b., \$2.50.

BUTTERNUT. The fruits are of a yellowish brown color and bottle-shaped. Flesh is yellow, dry, sweet and excellent flavor. Small seed cavity. Keeps well into the winter months. **Pkt., 10c; oz., 60c.**

GOLDEN HUBBARD. A rich orange-red instead of the dark olive-green of the old Hubbard, the flesh is thick and a little deeper colored. Good quality, fine grained and dry. **Pkt., 10c; oz., 25c;**

¼ lb., 85c; 1b., \$2.50.

***GREEN HUBBARD.** W. A well-known and favorite winter variety, more largely grown than any other. We offer a choice strain, considered by some of our customers to be superior to the popular Chicago Hubbard. **Pkt., 10c; oz., 25c;**

¼ lb., 85c; 1b., \$2.50.

DELICIOUS. A fall and winter variety. Color, usually dark green. Shell moderately hard but very thin; flesh thick, very fine grained, sweet and of finest flavor. **Pkt., 10c; oz., 25c;**

¼ lb., 85c; 1b., \$2.50.

***GOLDEN DELICIOUS.** A fine home garden variety. Medium size, with deep orange shell and thick orange flesh. A good keeper. **Pkt., 10c; oz., 25c;**

¼ lb., 85c; 1b., \$2.50.

EARLY SUMMER CROOKNECK. For early planting the Crookneck type is used in New England to almost the exclusion of any other. This, while much smaller than the Mammoth

Crookneck, is yet largely grown, many considering it of better flavor. **Pkt., 10c; oz., 20c;**

¼ lb., 50c; 1b., \$1.40.

***EARLY GIANT SUMMER.** Early, mostly straight necked and much larger than the Summer Crookneck. A fine quality, growing from 14 to 16 inches long. Extensively used by market gardeners and exceptionally good for home gardeners. **Pkt., 10c; oz., 20c;**

¼ lb., 50c; 1b., \$1.50.

EARLY PROLIFIC STRAIGHTNECK. It is 10 days earlier than other summer squashes. The squash is smaller than the old Straightneck, smooth and has a clear yellow color. The vine is dwarf and very prolific. **Pkt., 10c; oz., 20c;**

¼ lb., 50c; 1b., \$1.50.

ITALIAN VEGETABLE MARROW. Dark green at first, becoming marbled with yellow as they mature. The young fruits when fried in oil, constitute a vegetable delicacy very popular. **Pkt., 10c; oz., 20c;**

¼ lb., 50c; 1b., \$1.40.

TABLE QUEEN, or DES MOINES. Desirable for home and market garden use. Acorn-shaped fruit, ribbed, smooth, thin shelled, dark green, flesh light yellow, bakes well, with sweet inviting flavor. **Pkt., 10c; oz., 20c;**

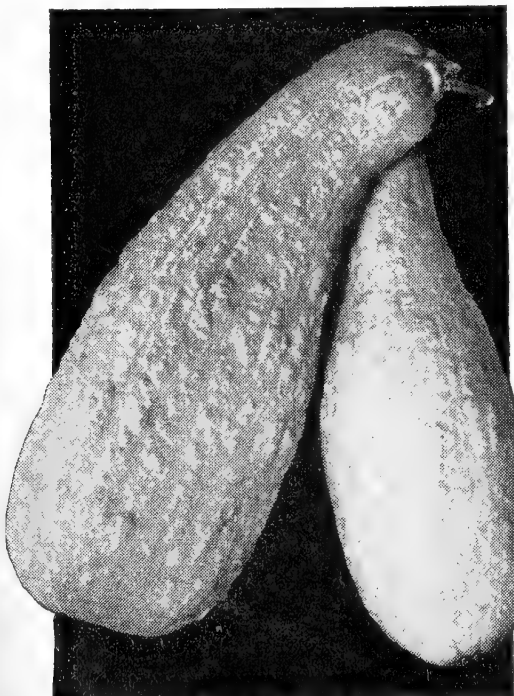
¼ lb., 50c; 1b., \$1.40.

GOLDEN TABLE QUEEN, or DES MOINES. Similar to the green. Rich, buttery, sweet, golden flesh, ¾ inch thick. **Pkt., 10c; oz., 20c; ¼ lb., 50c.**

WARREN TURBAN. Has a shell generally harder and thicker than the Essex Hybrid. The color is a deeper and richer orange, while the quality is decidedly better. Grown very extensively by market gardeners. **Pkt., 10c; oz., 25c;**

¼ lb., 85c; 1b., \$2.50.

YANKEE HYBRID. The squash are of the finest type and very uniform. The skin has a waxy yellow color, very attractive. Early and prolific. **Pkt., 10c; oz., 35c; ¼ lb., \$1.00.**



Early Prolific Straightneck

Tomatoes

Are the Backbone of Every Successful Vegetable Garden

Tomatoes are to be found in every garden. They are easily grown and can be used in so many different ways. It is well to grow an early as well as a main-crop, whether they are for home use or market. The main crop is, of course, more desirable for canning.

CULTURAL DIRECTIONS

An ounce will produce about 2,000 plants.

Tomatoes do best on light, warm, not over-rich soil. Sow in hotbed or window-box (where 60 degree Fahrenheit is the minimum night temperature) in March, in rows 3 inches apart and ½ inch deep. Cover firmly. Later sowings may be made to the end of April. When seedlings are 3 inches high, transplant 4 inches apart each way in hotbeds, cold frames, or singly in 3-inch pots. Harden plants by exposing to the air occasionally. After warm weather is settled, set out plants 3 to 4 feet apart each way in hills, into each of which fertilizer has been previously mixed. Water freely at time of transplanting and shelter from sun until plants are well established.

ACME. Vine hardy and productive. Fruit in clusters of four to five, round, smooth and of good size; flesh solid and of excellent flavor.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

ROSS' AMERICAN FAVORITE. A new purplish pink Tomato. Fruit large, very smooth, excellent flavor. Plants vigorous and most productive.

Pkt., 10c; ½ oz., 35c; oz., 60c.

BEAUTY. Fruit large, very smooth, excellent flavor, color purplish pink.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

***BONNY BEST.** Large size tomatoes, bright scarlet in color. Excellent variety for the canner as it yields from 12 to 15 tons to the acre.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

COMET. An excellent greenhouse sort, heavy yielder.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

DWARF CHAMPION. Dwarf, compact, upright growth. Fruit smooth and solid.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

GOLDEN JUBILEE. The best yellow-orange variety, fruit smooth and globe shaped with excellent flavor. Pkt., 25c.

***JOHN BAER.** The rich, scarlet-red fruits are thick and slightly flattened at the top; smooth, firm and of medium large size. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

***MARGLOBE.** Resists rust and wilt. Almost round; of large size and bright red color. It is one of the most productive tomatoes in cultivation. Marglobe is early and continues bearing over a long period of time. It possesses a delicious flavor, and the tenaciousness of its skin minimizes cracking of the fruit.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

Marglobe

PONDEROSA. A large smooth tomato. Color, deep purple. The fruit is exceptionally solid, with few seeds and is quite free from acid. Ideal for shipping.

Pkt., 10c; ½ oz., 35c; oz., 60c; ¼ lb., \$2.00.

***PRITCHARD.** A great advance in the early class. Ripens with Earliana and ahead of Bonny Best. A cross between Marglobe and Cooper's Special. Good size, intense scarlet, solid, almost no core, small seed pockets; valuable for both market and home garden.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

RUTGERS. Wilt-resistant. Has thick outer and inner walls of solid meat. It is globe-shaped, scarlet-red in color, resembling Marglobe. Ripens first in the center of the fruit so that when red on the outside, the tomatoes are ripe all through. Rutgers is in great demand for all purposes.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

SPARKS' EARLIANA. A deep red tomato. The vines are compact in growth, with short, close-jointed branches. Extra early and the best so far produced. Very productive. Fruit fair size and firm. Ripens 108 days from date of sowing seed. Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

STOKESDALE. Fine for market and canning; medium size fruit, globe shaped and bright scarlet color. The fruit ripens evenly and is very free of cracks and blemishes.

Pkt., 10c; ½ oz., 30c; oz., 50c.

STONE. Vines vigorous and productive; fruit large, smooth, deep red in color, and heavy. The best all around variety where earliness is not important.

Pkt., 10c; ½ oz., 30c; oz., 50c; ¼ lb., \$1.50.

RED PLUM. (Italian.)

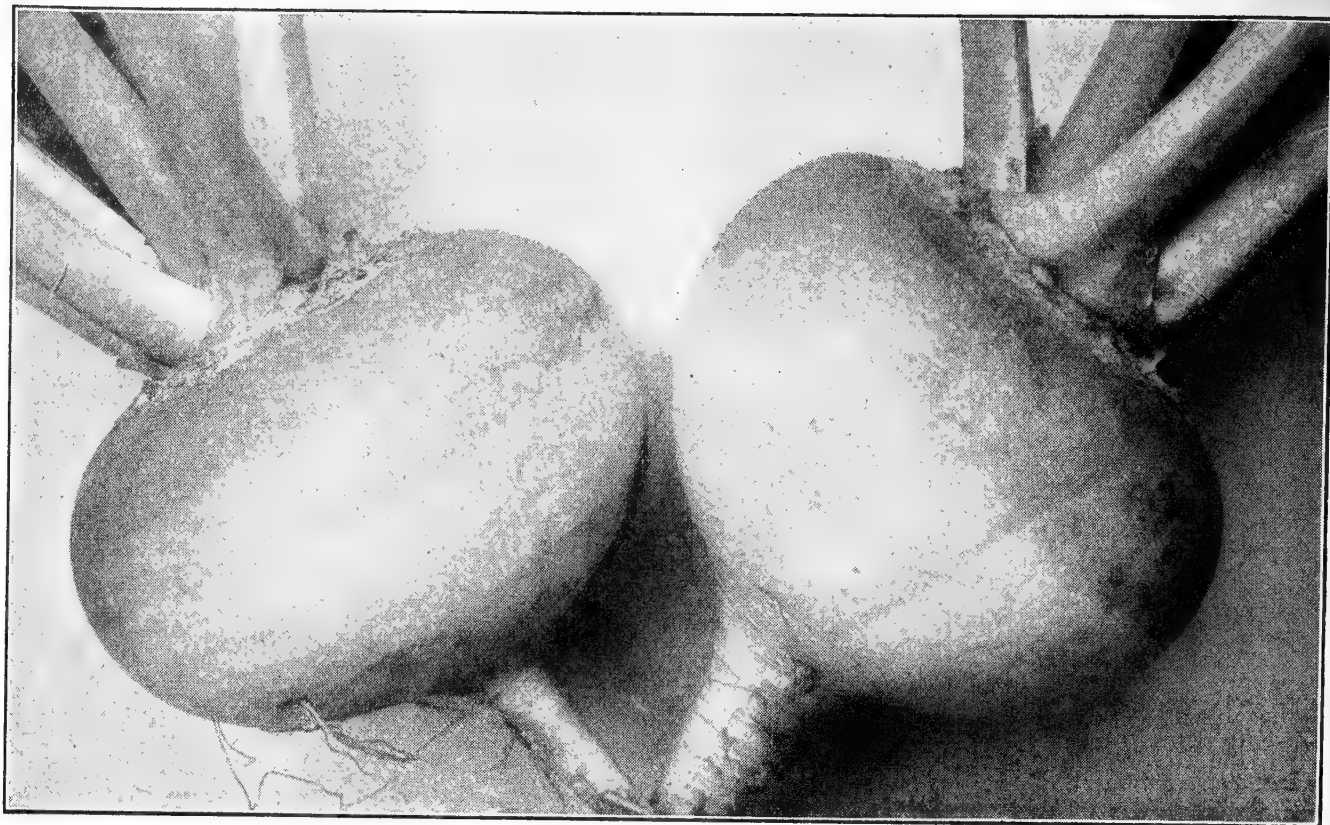
Pkt., 10c.

YELLOW PLUM.

Pkt., 10c.

YELLOW HUSK, or STRAWBERRY.

Pkt., 10c.



Early Purple Top Flat

Early Purple Top White Globe

Dependable Table Turnips

An ounce will sow 200 feet of drill. If sown in drills, one pound is required for an acre; if sown broadcast, less seed is sufficient if sown evenly.

Culture: For early, sow seed of flat varieties in open ground in spring in drills 1 foot or more apart, using seed sparingly. Thin to 3 or 4 inches apart. For succession, sow every 2 weeks until June. For fall and winter, sow in July and August. A good crop may often be grown by scattering seed thinly in the cornfield at last cultivation. For rutabagas, sow seed in seed-bed in spring and transplant to good warm soil in rows at least 2 feet apart and 8 to 10 inches apart in the rows, or sow in open ground during June and early July. Take up roots just before winter, top and store in cool cellar, or pit outdoors.

EARLY WHITE MILAN. Roots flat, smooth and symmetrical, pure white. Top very small, upright, and compact, permitting close planting. The earliest and much the best of any extra early white variety. **Pkt., 10c.**

EARLY PURPLE MILAN. Differs from the preceding in that the roots are not quite so thick and are purple on top. **Pkt., 10c.**

EARLY PURPLE-TOP FLAT. A well-known variety and very extensively grown. Roots smooth, white, with the upper portion purplish red.

Pkt., 10c; oz., 15c; ¼ lb., 25c; 1b., 75c.

***WHITE EGG.** More extensively grown than any other variety. White, egg-shaped, smooth and symmetrical, of medium size; flesh firm, sweet and mild.

Pkt., 10c; oz., 15c; ¼ lb., 25c; 1b., 75c.

Rutabaga or Swede Turnips

ROSS' A-1. Globular in shape with short neck and small tap root, top deep purple color, flesh yellow and of very fine quality, also very hardy. We consider this one of the most attractive of the newer types of rutabaga.

Pkt., 10c; oz., 15c; ¼ lb., 45c; 1b., \$1.25.

WHITE FRENCH, or ROCK. Also an old and popular sort. Roots a little longer than Sweet Russian, but does not otherwise differ. Valuable for table or feeding.

Pkt., 10c; oz., 15c; ¼ lb., 35c; 1b., \$1.00.

GOLDEN PURPLE TOP. The finest Purple Top. A beautifully shaped Turnip, very hardy, having excellent eating qualities.

Pkt., 10c; oz., 15c; ¼ lb., 50c.

LONG ISLAND IMPROVED. Grows much larger than other American varieties, is, therefore, desirable for stock, but equally desirable for the table and market, as it is tender and sweet and of very attractive appearance.

**Pkt., 10c; oz., 15c;
¼ lb., 35c; 1b., \$1.00.**

A Great Favorite Early Purple Top White Globe

One of the handsomest varieties, the upper portion of the root being a purplish red, the lower pure white. A rapid grower, attaining a marketable size sooner than other large globular varieties. Of the best quality and an excellent keeper.

Pkt., 10c; oz., 15c; ¼ lb., 25c; 1b., 75c.

GOLDEN BALL, or ORANGE JELLY. Of globular form, medium size, skin rich orange; flesh pale amber, very fine-grained, mild and sweet. One of the most attractive, of the best quality and keeps well.

Pkt., 10c; oz., 15c; ¼ lb., 25c; 1b., 75c.

YELLOW GLOBE. The standard yellow variety. The form is round, slightly flattened. Largely grown for stock, and to some extent for market. An excellent keeper.

Pkt., 10c; oz., 15c; ¼ lb., 25c; 1b., 75c.

COW HORN, or LONG WHITE. Root long, slightly crooked and grows nearly half above ground. Clear white, except a little green at top. Though more largely used for feeding stock, it is a fine table variety, being tender and of mild flavor. Of very rapid growth.

Pkt., 10c; oz., 15c; ¼ lb., 25c; 1b., 75c.

Successful Tobacco Seed

CONNECTICUT SEED LEAF. A hardy cigar variety, well adapted to growing in the Middle and Northern States.

Pkt., 10c; oz., 75c.

HAVANA. Leaf very thin, fine texture. Much used for cigar wrappers.

Pkt., 10c; oz., 75c.



Reference Table

GARDEN SEEDS

	Per Acre		Per Acre
Artichoke, 1 oz. to 500 plants	½ pound	Kohl-Rabi, 1 oz. to 200 ft. of drill	1½ pounds
Asparagus Seed, 1 oz. to 800 plants	4 pounds	Leek, 1 oz. to 200 feet of drill	4 "
Asparagus Roots	2500 to 7000	Lettuce, 1 oz. to 200 feet of drill	3 "
Beans, Dwarf, 1 pound to 100 ft. of drill ..	60 pounds	Melon, Musk, 1 oz. to 100 hills	2½ "
Beans, Pole, 1 pound to 100 hills	30 "	Melon, Water, 1 oz. to 25 hills	4 "
Beet, Garden, 1 oz. to 100 ft. of drill	6 to 8 "	Mustard, 1 oz. to 50 feet of drill	8 "
Beet, Sugar and Mangel, 1 oz. to 100 ft. of drill	5 "	Okra, 1 oz. to 50 feet of drill	4 to 5 "
Broccoli, 1 oz. to 3000 plants	4 ounces	Onion Seed, 1 oz. to 200 feet of drill	30 to 50 "
Brussels Sprouts, 1 oz. to 3000 plants	4 "	Onion Seed for sets	250 "
Cabbage, 1 oz. to 3000 plants	4 "	Onion Sets, 2 pounds to 50 feet of drill ...	4 "
Carrot, 1 oz. to 150 feet of drill	2½ pounds	Parsnips, 1 oz. to 200 feet of drill	4 "
Cauliflower, 1 oz. to 3000 plants	5 ounces	Parsley, 1 oz. to 200 feet of drill	4 "
Celery, 1 oz. to 10,000 plants	4 "	Peas, Garden, 1 pound to 100 feet of drill .	100 "
Celeriac, 1 oz. to 10,000 plants	4 "	Pepper, 1 oz. to 1500 plants	4 ounces
Chervil, 1 oz. to 8000 plants	4 pounds	Potatoes	600 to 700 pounds
Chicory	4 pounds	Pumpkin, 1 oz. to 50 hills	3 "
Collards, 1 oz. to 5000 plants	12 "	Radish, 1 oz. to 100 feet of drill	8 to 10 "
Corn, Sweet, ¼ pound to 100 hills	24½ "	Sage, 1 oz. to 100 feet of drill	5 "
Cress, 1 oz. to 150 feet of drill	2 "	Salsify, 1 oz. to 60-foot row	8 "
Cucumber, 1 oz. to 50 hills	5 "	Spinach, 1 oz. to 100 feet of drill	12 "
Dandelion, 1 oz. to 200 feet of drill	4 ounces	Squash, Summer, 1 oz. to 25 hills	4 "
Dill, 1 oz. to 200 feet of drill	4½ pounds	Squash, Winter, 1 oz. to 10 hills	2 "
Eggplant, 1 oz. to 2000 plants	4 ounces	Tomato, 1 oz. to 2500 plants	3 ounces
Endive, 1 oz. to 300 feet of drill	4 ounces	Tobacco, 1 oz. to 5000 plants	1½ pounds
Kale, 1 oz. to 300 plants	4 ounces	Turnip, 1 oz. to 200 feet of drill	1 "
		Turnip, Rutabaga, 1 oz. to 150 feet of drill.	

GRAIN AND FORAGE CROPS

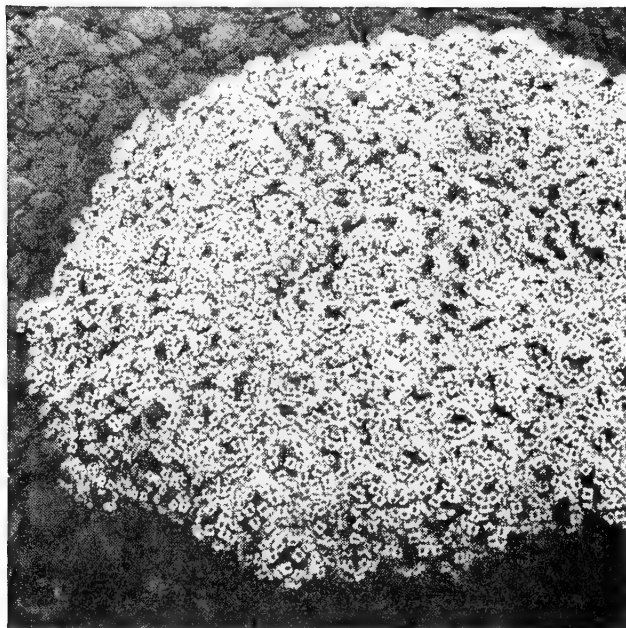
	Pounds per acre	Weight per bu.		Pounds per acre	Weight per bu.
Alfalfa	15-25	60	Millet, Japanese	15-25	35
Barley, for grain	100	48	Oats, for grain	50-60	32
Barley, for forage	140	48	Oats, for forage	100	32
Beans, Soy or Soja	60-75	60	Peas, Field, broadcast	150-160	60
Buckwheat	50-75	48	Peas, with Oats	90-100	60
Clover, Alsike	6-8	60	Rye, for grain	60-75	56
Clover, Crimson	18-20	60	Rye, for forage	80-100	56
Clover, Ladino	4	60	Rape, Dwarf Essex, in drills	4-6	50
Clover, Mammoth Red	10-12	60	Rape, Dwarf Essex, broadcast	8-10	50
Clover, Medium Red	10-12	60	Sudan Grass, in drills	4-6	40
Clover, White Sweet	20	60	Sudan Grass, broadcast	18-20	40
Corn, Dent for silage	20-30	56	Vetch, Hairy, with one bushel small grain	30-40	60
Corn, Flint, for grain	15	56	Wheat	90-120	60
Millet, Golden	50	50			
Millet, Hungarian	50	48			

GRASS SEEDS

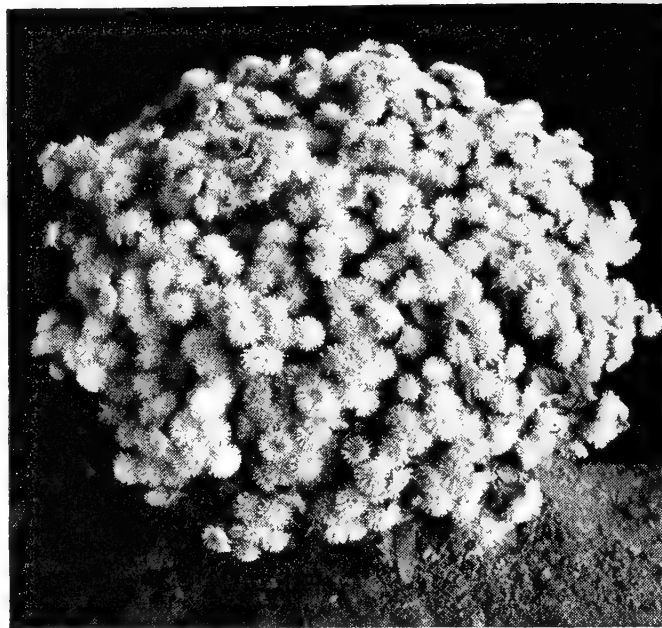
	Pounds per acre	Weight per bu.		Pounds per acre	Weight per bu.
Awnless Brome	18-25	14	Rye Grass, Italian	60	22
Blue Grass, Canada	30-35	14	Rye Grass, Pacey's	50	28
Blue Grass, Kentucky	20-25	14	Red Top, Recleaned Seed, Worcester Brand	40-50	36
Creeping Bent	50	14	Red Top, Unhulled Seed	70	14
Crested Dogstail	30	28	Rhode Island Bent	20-40	14
Fescue, Hard	30	16	Rough Stalk Meadow	30-35	26
Fescue, Meadow	24	16	Sweet Vernal, use only in mixture		
Fescue, Red or Creeping	30	16	Tall Meadow Oat	45	12
Fescue, Sheep's	40	16	Timothy	12-25	45
Fescue, Various Leaved	20-25	15	Lawn Seed Mixture, Shady Spot	100-125	20
Meadow Foxtail	30	8	Lawn Seed Mixture, Worcester Brand ..	100-125	25
Orchard Grass	20-25	14	Wood Meadow	25-30	19
Rye Grass, English	50	28			

NUMBER OF PLANTS, TREES, ETC., REQUIRED TO SET AN ACRE

Distance	Number	Distance	Number
1 ft. by 1 ft.	43,560	6 ft. by 6 ft.	1,210
1½ ft. by 1½ ft.	19,360	8 ft. by 8 ft.	680
2 ft. by 1 ft.	21,780	10 ft. by 10 ft.	434
2 ft. by 2 ft.	10,890	12 ft. by 18 ft.	302
2½ ft. by 2½ ft.	6,970	15 ft. by 15 ft.	194
3 ft. by 1 ft.	14,520	18 ft. by 18 ft.	134
3 ft. by 2 ft.	7,260	20 ft. by 20 ft.	103
3 ft. by 3 ft.	4,840	25 ft. by 25 ft.	70
4 ft. by 4 ft.	2,722	30 ft. by 30 ft.	40
5 ft. by 5 ft.	1,742	40 ft. by 40 ft.	27



Alyssum, Carpet of Snow



Ageratum, Midget Blue

Ross' Choice Annuals

Gardens That are Well Planted Will Have Flowers in Abundance This Year

Annuals are flowers that sprout from seed, all of which die within the limits of the garden year. Being inexpensive, they appeal to both home owner and renter. It is possible to enjoy at a low cost all of Nature's beauty in color and fragrance. The many varieties we offer in this book are carefully selected to supply the utmost in flower beauty and satisfaction.

Acroclinium

Everlasting Flower

An everlasting flower, which, when cut and dried, is very valuable for winter bouquets.

139 **Light Rose and Pure White. Mixed.**

Pkt., 10c; ¼ oz., 25c.

Agrostemma

Pretty, free-blooming plants of easy culture, especially desirable for dry situations. Excellent for cutting.

160 **Coeli-Rosa** (Rose of Heaven). Rose, with white center. Hardy annual. 1½ feet.

Pkt., 10c; ¼ oz., 25c.



Acroclinium

Ageratum

Hardy Annual

Floss Flower

A plant of the greatest beauty and value for garden or window, unexcelled for border, rock garden or bedding.

148 **Mexicanum**. Blue. 1½ ft.

Pkt., 10c; ¼ oz., 30c.

149 **Mexicanum Album**. White. 1½ ft.

Pkt., 10c; ¼ oz., 30c.

150 **Fairy Pink**. Soft salmon-rose-pink.

Pkt., 25c.

151 **Little Dorrit**. Azure-blue. 8 inches.

Pkt., 10c; ¼ oz., 35c.

152 **Midget Blue**. A truly compact variety only 3 to 4 inches tall with dense spread. Azure-blue flowers.

Pkt., 25c.

153 **Little Blue Star**. A miniature variety with beautiful mauve flowers. 5 inches.

Pkt., 10c; ⅛ oz., 60c; ¼ oz., \$1.00.

154 **Blue Perfection**. Large heads of amethyst-blue flowers; 8 inches.

Pkt., 10c; ⅛ oz., 35c; ¼ oz., 60c.

155 **Dwarf Blue Cap**. Dwarf rich blue flowers. 4 inches.

Pkt., 10c; ⅛ oz., 60c; ¼ oz., \$1.00.

156 **Purple Perfection**. Deepest blue.

Pkt., 10c; ⅛ oz., 35c.

158 **Mixed Colors**. All varieties mixed. Pkt., 10c; ¼ oz., 30c; ½ oz., 50c.

Alyssum

A well-known favorite, hardy annual, blooming profusely the entire season. Excellent for edging.

166 **Sweet Alyssum**. Fragrant, white. 1 foot.

Pkt., 10c; ¼ oz., 20c; ½ oz., 35c; oz., 60c.

167 **Little Gem**. Of spreading habit, forming compact masses of bloom often a foot or more in diameter. White, fragrant. 6 inches.

Pkt., 10c; ¼ oz., 25c; oz., 75c.

168 **Carpet of Snow**. Of very dwarf habit; white, fragrant. 4 inches.

Pkt., 10c; ¼ oz., 30c; ½ oz., 50c.

169 **Violet Queen**. A dwarf compact form, with bright violet flowers. Does not fade in hot weather. 4 inches.

Pkt., 10c; ¼ oz., 35c.

171 **Little Dorrit**. Little bushes fairly smothered with miniature white flowers. A gem for edging and beds. 4 inches high.

Pkt., 10c; ¼ oz., 25c; oz., 75c.

Amaranthus

Brilliantly colored foliage, and bearing peculiarly formed flowers.

175 **Caudatus** (Love-Lies-Bleeding). Long, drooping flower, blood-red. Half-hardy annual. 3 feet.

Pkt., 10c; ⅛ oz., 25c.

178 **Tricolor Splendens** (Joseph's Coat). Red, yellow, and green foliage.

Pkt., 10c; ⅛ oz., 25c.

Anchusa

184 **Blue Bird**. Compact plants, 20 to 24 inches high with clusters of vivid indigo-blue flowers. Excellent for cutting.

Pkt., 10c; ¼ oz., 35c; ½ oz., 60c.

185 **Capensis** (Cape Forget-Me-Not). Attractive annual with azure-blue flowers. 1½ feet.

Pkt., 10c; ¼ oz., 35c; ½ oz., 60c.

Antirrhinum

(Snapdragon)

- Rust-proof. 75% or better Rust-proof.
- One of the most beautiful and useful bedding plants, blooming profusely throughout the summer. Fine for cutting.
- 190D University of California De Luxe Mixture. Pkt., 10c; 1/8 oz., 75c; 1/4 oz., \$1.25.
- 191 Maximum Rust Resistant. California Giants. Exquisite mixed. Pkt., 10c; 1/8 oz., 75c.

Snaps for Greenhouse Forcing

- 192 Afterglow. Golden bronze. Pkt., 25c.
- 193 Ceylon Court. Yellow. Pkt., 25c.
- 194 Cheviot Maid. Pkt., 25c.
- 195 Rose Queen. Dark pink. Pkt., 25c.
- 196 Lucky Strike. Pure white. Pkt., 25c.

Snapdragons, Large Flowered Type

- 197 Tall Mixed. Pkt., 10c; 1/8 oz., 60c.
- 198 Grandiflora. Giant varieties mixed. Pkt., 10c; 1/8 oz., 60c.
- 199 Dwarf Varieties. Mixed colors. Pkt., 10c; 1/8 oz. 65c.

Arctotis

- 210 Grandis (Blue-Eyed African Daisy). 3 ft. Pearly white with a gold band surrounding a mauve center. Foliage gray-green. Pkt., 10c; 1/4 oz., 35c.
- 211 Hybrids. Showy Daisy-like flowers, red and orange shades. Pkt., 10c; 1/8 oz., 75c.

Asparagus

- 216 Plumosus Nanus. Beautiful house plants. The feathery foliage is unrivaled for cutting. Pkt., 15c.
- 217 Sprengerii. Excellent plants for table decorations. Pkt., 15c.

Balsam

They are among the showiest and most popular of our summer garden annuals, forming bushy plants, covered with double flowers of brilliant colors.

- 225 Improved Camellia-Flowered. Mixed colors. Double flowers of the finest type and a wide range of beautiful colors. Pkt., 10c; 1/4 oz., 40c.
- 226 Double Bush Flowering. Finest Mixed. Flowers appear in clusters on top of stems. Bushy plants, fine for bedding. Pkt., 10c; 1/8 oz., 50c.
- 227 Double Dwarf Mixed. Showy little bushes about 8 inches high, with double and semi-double flowers. Pkt., 10c; 1/4 oz., 25c.
- 228 Double Rose Flowered. Finest Mixed. Pkt., 10c; 1/8 oz., 25c.
- 230 Choice Mixed. Double flowers of many colors. Pkt. 10c; 1/4 oz., 25c.

Balloon Vine

235. A tender annual climber of rapid growth, bearing small white flowers, followed by curious inflated seed-vessels, somewhat resembling a balloon. 10 to 15 feet. Pkt., 10c; 1/2 oz., 25c.

Bartonia Aurea

236. Showy, hardy annual, its golden yellow flowers being freely produced. It grows well in partial shade, but should not be crowded. Pkt., 10c; 1/4 oz., 25c.

Beans

ORNAMENTAL VARIETIES

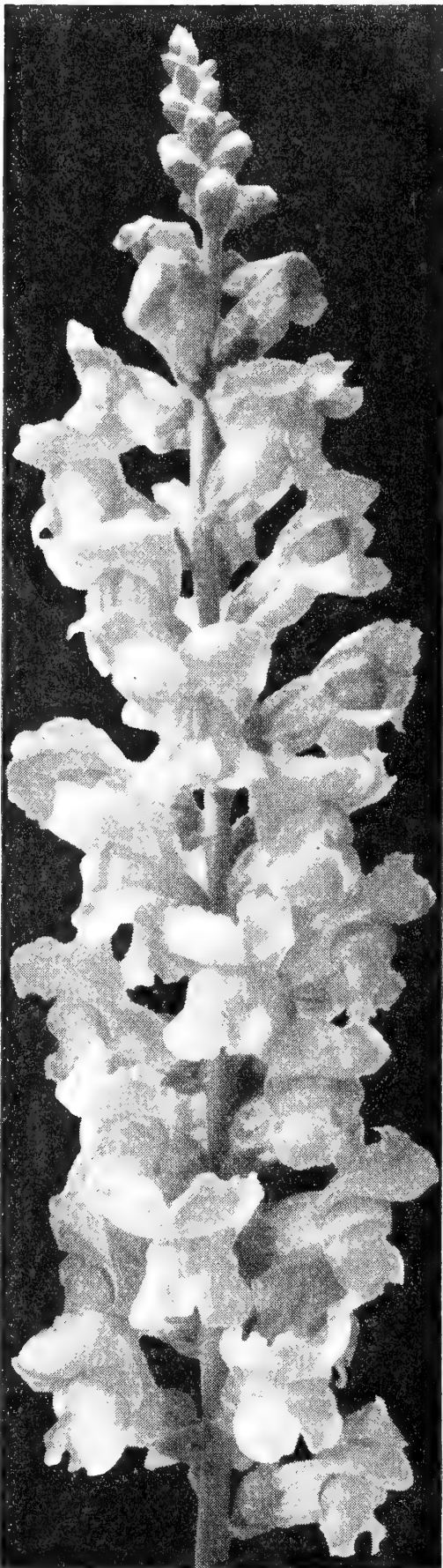
The Scarlet and White Runner Beans are popular as ornamental climbers. The former is largely grown. Fine for ornamental effects.

- 240 Scarlet Runner. Pkt., 10c.
- 241 White Runner. Pkt., 10c.

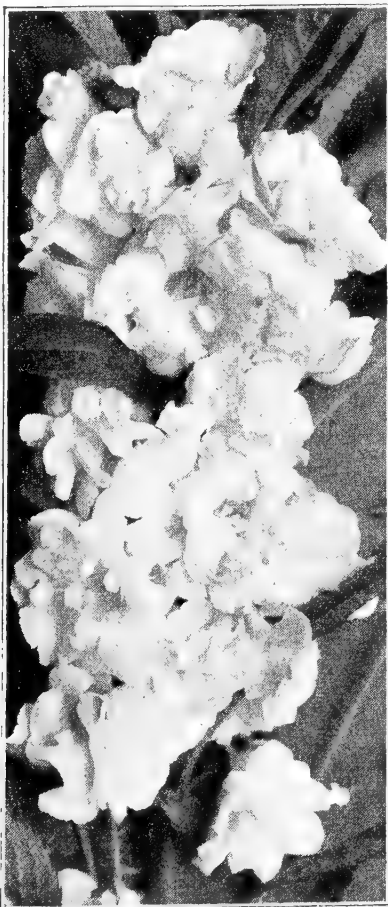
BLUE LACE FLOWER. See Didiscus.

Brachycome (Swan River Daisy)

- A free-flowering plant of dwarf, compact growth, bearing single blue or white flowers. Half-hardy annual. 1 ft. Pkt., 10c;
- 250 Mixed Colors. 1/8 oz., 25c.



Rust-Proof Antirrhinum



Balsam

Browallia

Free-blooming half-hardy annual. For beds, borders or pots. 1 1/2 ft.

- 251 Blue and White Mixed. Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c.

Cactus

- 251A Rare Sorts Mixed. Pkt., 25c.



California Sunshine Aster

16 Giant Aurora Golden Sheaf
(WILT-RESISTANT)

The flowers are deep yellow, fully double, with a crestlike center.

Pkt., 10c; $\frac{1}{8}$ oz., 40c.

California Sunshine

An attractive Anemone-flowered variety particularly fine for cutting. 2½ feet.

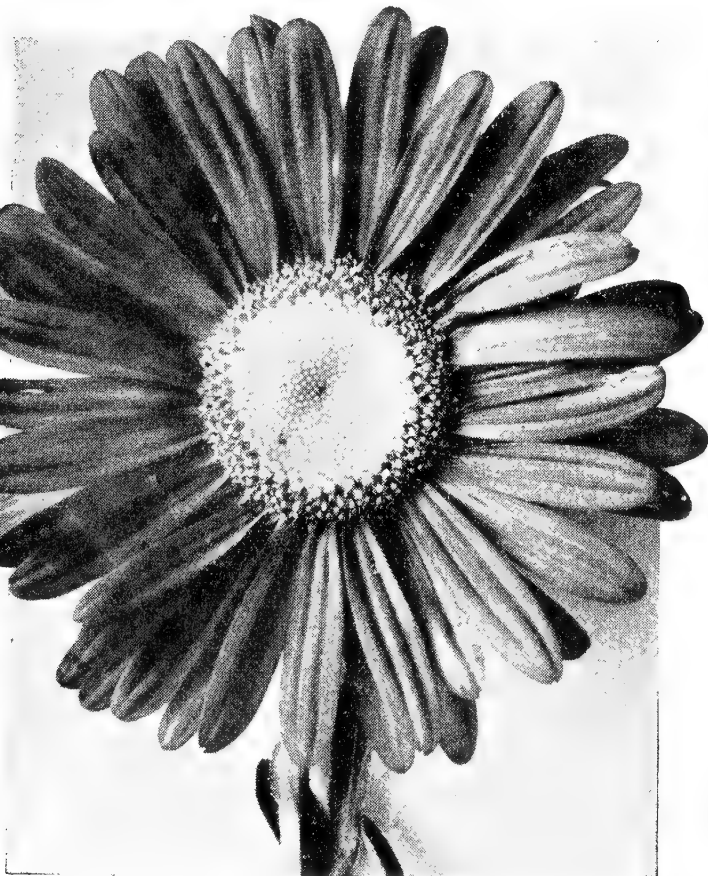
24 Mixed Colors.

Pkt., 10c; $\frac{1}{8}$ oz., 40c; $\frac{1}{4}$ oz., 75c.

32 Heart of France
(WILT-RESISTANT)

Rich dark red. Very double, of strong branching habit. 1½ to 2 feet. Midseason.

Pkt., 10c; $\frac{1}{8}$ oz., 40c; $\frac{1}{4}$ oz., 75c.



California Giant Single



California Giant Double

Asters You Can

Asters are one of the finest cut flowers and very useful in the garden. Available in many shapes and colors; early, midseason and late varieties.

32A Lilliput-Flowered

The flowers are tiny and button-like in form, coming in profuse clusters on medium length stems.

Pkt., 10c; $\frac{1}{8}$ oz., 40c.

Improved Crego
(WILT-RESISTANT)

Plants robust, branching, about 2½ ft. Flowers large, double and well formed; one of the finest varieties for all purposes.

35A Finest Mixed. Pkt., 10c; $\frac{1}{8}$ oz., 40c; $\frac{1}{4}$ oz., 75c.

Queen of the Market
(WILT-RESISTANT)

A very early blooming strain, which, though plant is only 1¼ feet high, bears from 10 to 15 well-formed, medium-sized flowers on long stems. Much used by florists.

36 Purple

37 White

38 Rose

39 Light Blue

40 Flesh-Pink

41 Crimson

42 Mixed Colors

Each, pkt., 10c; $\frac{1}{8}$ oz., 40c; $\frac{1}{4}$ oz., 75c.

Early Beauty
(WILT-RESISTANT)

Plants 2½ to 3 feet with long, heavy stems, bearing large compact flowers. They bloom from late August until frost.

43 Azure Fairy. Azure-blue.

43A Crimson

44 Purple

44A September Pink

45 White

45A Finest Mixed

Pkt., 10c; $\frac{1}{8}$ oz., 40c.

Single Chinensis
(WILT RESISTANT)

15 Rainbow Mixture.

Pkt., 10c; $\frac{1}{8}$ oz., 40c.

Grow Successfully

California Giant Double

A variety of Asters of the Improved Comet type, with strong stems. Petals curved and twisted. Plant grows 2 to 3 feet tall. Midseason.

- | | |
|---------------------|-----------------|
| 8 White. New; fine. | 11 Light Purple |
| 9 Peach Blossom | 12 Deep Rose |
| 10 Light Blue | 13 Dark Purple |
- Pkt., 10c; 1/16 oz., 30c; 1/8 oz., 50c; 1/4 oz., 90c.
 14 Mixture of above: Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c; 1/2 oz., \$1.40.

Royal

(WILT-RESISTANT)

Plants branching, 1½ to 2 feet, blooming in mid-August directly following the Queen of the Markets.

- | | |
|------------------|-----------------|
| 46 Peach Blossom | 48 Lavender |
| 47 White | 48A Purple |
| 47A Deep Rose | 49 Mixed Colors |

Pkt., 10c; 1/8 oz., 40c.

Super Giant

The flowers are from 6 to 8 inches across; full, graceful, interesting petals. Plants are about 2½ feet tall, with 6 to 8 long non-lateral stems per plant.

- | | |
|-----------------------------|--------------------------|
| 50 Los Angeles. Shell-pink. | Pkt., 10c; 1/8 oz., 40c. |
| 51 El Monte. Crimson. | Pkt., 10c; 1/8 oz., 40c. |

King or Needle Type

Branching, 2½ ft.

- | | |
|------------------|---------------|
| 70 King Lavender | 74 King White |
| 71 King Rose | 75 King Mixed |
| 73 King Violet | |

Pkt., 10c; 1/8 oz., 40c.

California Peony Flowered

Immense, fully double-flowered, resembling the Beauty type, borne on long, stout, non-lateral stems. The plants are 2½ to 3 feet tall, blooming with the Giants of California.

- | | |
|------------------|--------------------------|
| 80 Finest Mixed. | Pkt., 10c; 1/8 oz., 40c. |
|------------------|--------------------------|

Giant Branching Comet

(WILT-RESISTANT)

The plant is of vigorous luxuriant growth and produces freely its long-stemmed graceful flowers. Blooms in late August. 1½ to 2 ft.

- | | |
|--|--------------------------|
| 82 Mixed Colors. Many colors and shades. | Pkt., 10c; 1/8 oz., 40c. |
|--|--------------------------|

American Branching

(WILT-RESISTANT)

A superior late-blooming strain of American origin. The flowers are of the largest size, borne on long, graceful stems often 15 or more inches in length, are exceedingly beautiful and unsurpassed for cutting. Blooms in early September. 2½ feet.

- | | |
|----------------|-------------------------|
| 108 White | 111 Sensation. Scarlet. |
| 109 Pink | 112 Purple |
| 110 Azure-Blue | 116 Mixed Colors |

Each: Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c.

Early Giant

(WILT-RESISTANT)

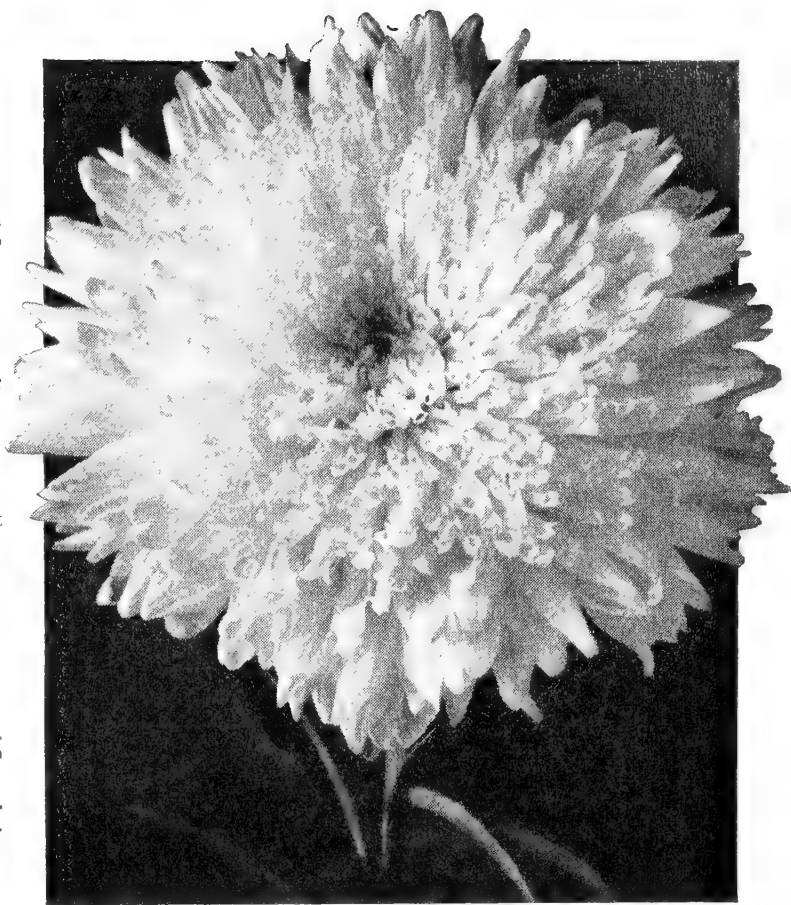
Flowers are of the largest Giants of California type. Plants are 1½ feet high with strong heavy stems. Blooms in mid-August.

- | | |
|--|---------------------------|
| 118 Light Blue. A big, lacy light blue flower. | Pkt., 10c; 1/16 oz., 40c. |
| 119 Peach Blossom. Opens white, flushes lavender-pink. | Pkt., 10c; 1/16 oz., 40c. |
| 120 Rose Marie. Rich lively shade of rose. | Pkt., 15c; 1/16 oz., 40c. |

124 Worcester Mixture

Our own mixture of the leading choice varieties, includes every color and shade known among Asters.

Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 60c; oz., \$2.00.

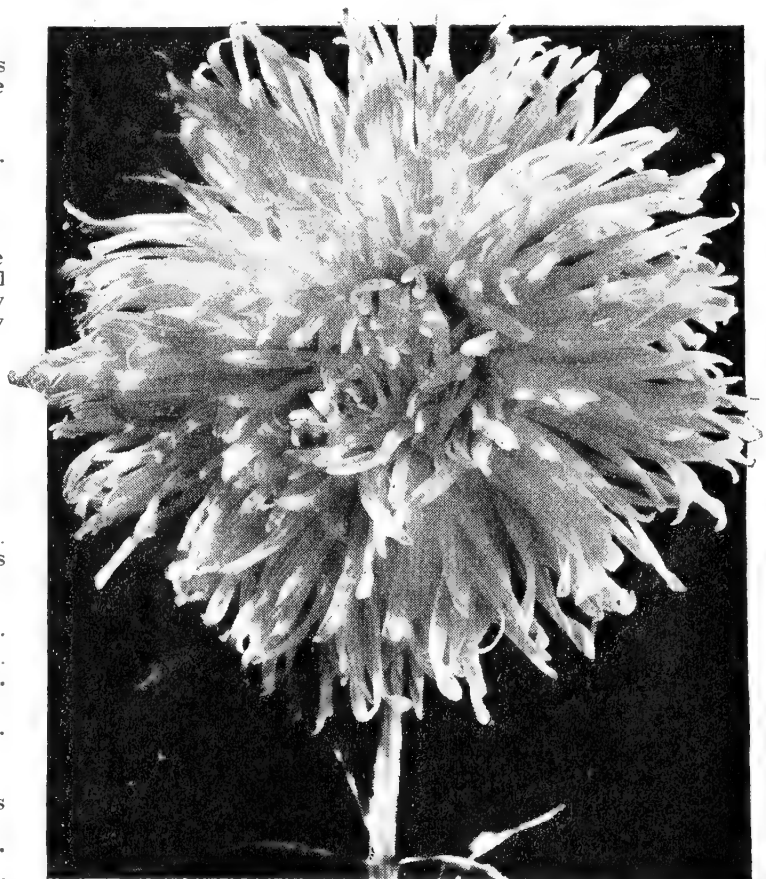


Giant Aurora Golden Sheaf

Peat Moss Breaks Heavy Soils and Holds Moisture

Use peat moss freely, it holds moisture, lightens the soil and assists the growth of most plants.

Price: Standard bale (about 20 bushels), \$4.25.



Super Giant, Los Angeles

NOTE: Please order by number as well as name.



Calendula, Yellow Colossal

Calendula

(*Pot Marigold*)

A very free-blooming hardy annual of easy culture. Flowers double, borne on stiff stems, and are cut to some extent, but the plant is more desirable for bedding. 1 to 1½ feet.

252 Campfire or Sensation. Improved strain. Dark orange with scarlet sheen. Pkt., 10c; ¼ oz., 30c; oz., \$1.00.

253 Chrysantha or Sunshine. Clear buttercup-yellow, petals incurved. Pkt., 10c; ¼ oz., 30c; ½ oz., 50c.

253A Yellow Colossal. Extra large, lemon-yellow flowers. Pkt., 10c; ¼ oz., 35c.

254 Ball's Gold. Deep golden yellow, dark center, very large flowers. Pkt., 10c; ⅓ oz., 25c; ¼ oz., 40c.

255 Ball's Masterpiece. Rich deep orange, dark center, long stems. Pkt., 10c; ⅓ oz., 25c; ¼ oz., 40c.

255A Ball's Orange Improved. Brilliant orange, light center, petals slightly notched. Pkt., 10c; ⅓ oz., 25c; ¼ oz., 40c.

256 Orange Shaggy. Deep orange, shading lighter at the center, petals deeply fringed. Pkt., 10c; ⅓ oz., 25c.

257 Orange King. Extra select. Large dark orange, dark center. Pkt., 10c; ½ oz., 30c; oz., 50c.

258 Lemon Queen. Clear lemon-yellow. Pkt., 10c; ¼ oz., 20c; ½ oz., 35c.

259 Mixed Varieties. Pkt., 10c; ½ oz., 15c; oz., 25c.

Canterbury Bells

274A Finest Mixed. A new annual Canterbury Bell which blooms from seed in less than 6 months. Plants 2 to 2½ feet. Pkt., 10c; ⅓ oz., 25c.

Calliopsis

(*Annual Coreopsis*)

Showy Daisy-like flowers, ideal for cutting or for massing in a border.

260 Mixed Colors. 1½ to 2 feet. Pkt., 10c; ½ oz., 30c; oz., 50c.

261 Golden Crown (Drummond). Semi-double. Improved rich yellow, maroon center. Pkt., 10c; ¼ oz., 25c.

262 Golden Wave (Drummond). Golden yellow with small dark center. 1½ feet. Pkt., 10c; ¼ oz., 25c.

263 Ray of Gold. Yellow with purplish brown center. 6 to 8 inches. Pkt., 10c; ¼ oz., 25c.

Canary Creeper

(*Tropaeolum Canariense*)

275. A rapid-growing, half-hardy annual climber, bearing curiously formed yellow flowers. Blooms until frost. 10 to 15 feet. Cannot supply.

Candytuft

Popular hardy annual, growing in any soil, requiring but little care, and by repeated sowings may be had in bloom all summer. 6 inches to 1 foot.

276 Rose Carmine. Pkt., 10c; ¼ oz., 25c; ½ oz., 40c.

277 Dark Crimson (Dunnett's). Pkt., 10c; ¼ oz., 25c; ½ oz., 40c.

278 Empress. Large trusses; pure white. Pkt., 10c; ⅓ oz., 25c; ¼ oz., 40c.

279 Giant Hyacinth-Flowered. Heads of immense size, resembling the Hyacinth. White. Pkt., 10c; ⅓ oz., 25c; ¼ oz., 40c.

280 Mixed Colors. Pkt., 10c; ¼ oz., 25c.

282 Dwarf Hybrids. Mixed colors. Of dwarf habit but flowers are large. Pkt., 10c.

283 White Fragrant. Pkt., 10c.

We deliver free in the United States all Bulbs, Vegetable and Flower Seeds, at prices listed in this catalog. See inside front cover. Prices subject to change.



Candytuft, Giant Hyacinth-Flowered

Canna

The Crozy Cannas are well known for their dwarf growth and luxuriant foliage. The flowers are large and of most brilliant colors.

284 Crozy's Dwarf. Dark, large flowering varieties. Mixed. 3 to 4 feet. Pkt., 10c.

285 Giant Flowered New Hybrids. Mixed. Pkt., 10c.

CARDINAL CLIMBER. See Ipomoea, number 549.

CARDINAL FLOWER. See Lobelia, number 588, page 54.

Carnation

(*Dianthus Caryophyllus*)

287 Marguerite Giants. Double special mixture. Flower approaches in form, size, fragrance and beauty those grown by the florist.

Pkt., 10c; 1/8 oz., 40c.

Cineraria Hybrida Grandiflora

294 Cremer's Prize Mixture. The plants are of compact growth, carrying extra large flower heads with flowerets of unusual size and substance. Pkt., 50c.

Castor Bean

(*Ricinus*)

Well-known tender annual, with palm-like leaves of glossy green, brown or bronze hue. 6 to 15 feet.

295 Borboniensis. Large, showy foliage of purplish hue. 15 feet.

Pkt., 10c; 1/2 oz., 20c; oz., 35c; 1/4 lb., \$1.00.

296 Cambodgensis. Stalks and stems nearly black; leaves large, of a deep bronze-maroon. 6 feet.

Pkt., 10c; 1/2 oz., 20c; oz., 35c.

297 Sanguineus (Tricolor). Stalks blood-red, foliage reddish bronze, with scarlet seedpods. 6 feet.

Pkt., 10c; 1/2 oz., 25c; oz., 40c.

298 Zanzibariensis. With gigantic leaves, ranging in color from light green to deep bronze. 10 to 15 feet. Mixed varieties.

Pkt., 10c; 1/2 oz., 20c; oz., 35c.

299 Gibsoni. Large dark red leaves. 5 feet. Cannot supply.

300 All Varieties Mixed.

Pkt., 10c; 1/2 oz., 15c; oz., 25c.

Cockscomb (*Celosia cristata*)

Free blooming annuals of easy culture, producing large, brilliant, comblike heads. Excellent for borders, edgings or pots.

305 Glasgow Prize. Crimson; dark foliage. 9 inches.

Pkt., 10c; 1/8 oz., 50c.

307 Mixed. Pkt., 10c; 1/8 oz., 25c.

309 Dwarf, Extra-Choice Mixed. Includes all the latest introductions and colors of the Cockscomb.

Pkt., 10c; 1/8 oz., 35c.

Lilliput or Dwarf Feathered Celosia

Dwarf, compact plants, consisting of 15 to 20 branches of even length, each tipped with brilliant silky plumes.

310 Lilliput, Fire Feather. Bright fiery crimson.

Pkt., 10c; 1/16 oz., 40c.

311 Lilliput, Golden Feather. Deep yellow. Pkt., 10c; 1/16 oz., 40c.

312 Lilliput Mixed.

Pkt., 10c; 1/16 oz., 40c.

Feathered Celosia

(*Celosia plumosa*)

Often used for winter bouquets, and for this purpose should be cut before fully ripe and dried in the house.

313 Thompsoni Magnifica. Large plumes, ranging from clear yellow to darkest red.

Pkt., 10c; 1/8 oz., 35c.

314 Choice Mixed.

Pkt., 10c; 1/4 oz., 35c.



Castor Bean

Chinese Woolflower

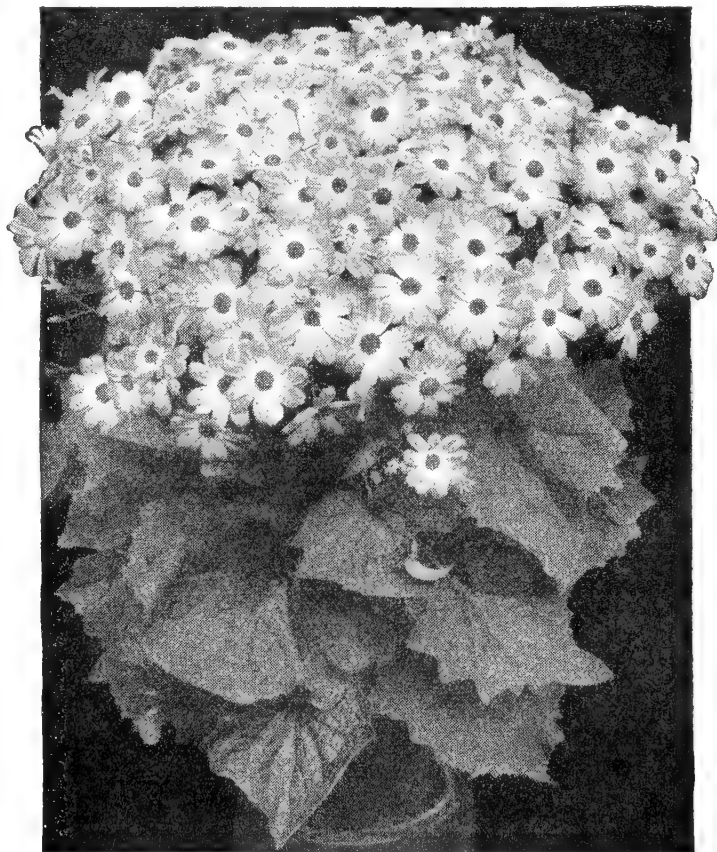
(*Celosia Childsi*)

Large globular heads like balls of wool chenille. The plants, 2 to 3 feet in height, branch freely, each branch terminating with a flower-head. Blooms from early summer to frost.

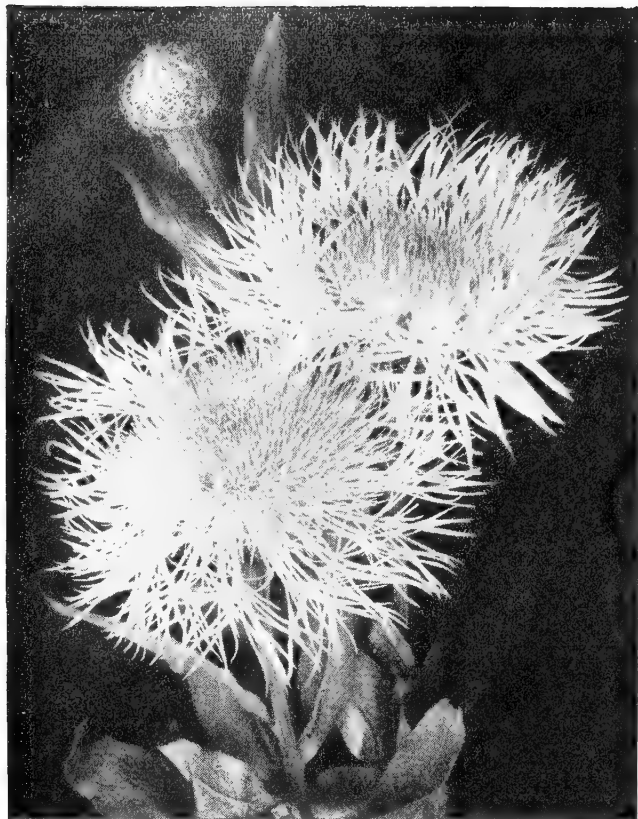
329C Mixed Colors. Pkt., 10c; 1/8 oz., 35c.



Dwarf-Feathered Celosia



Cineraria



Centaurea, Americana Lilac

Centaurea

To this family belong the well-known annuals, Bachelor's Button and Sweet Sultan, and also the plants known as Dusty Millers.

315 Americana Lilac (Basket Flower). The plant grows 3 feet tall and bears immense thistle-like blooms of rosy lavender color.

Pkt., 10c; 1/4 oz., 25c.

316 Americana Alba (Star Thistle). 3 feet. Large heads of double fluffy blooms, almost pure white.

Pkt., 10c; 1/4 oz., 25c.

316A Jubilee Gem. Dwarf compact plants, about 12 inches high, literally covered with dark but very vivid double blue flowers.

Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c.

Cyanus

(Bachelor's Button or Cornflower)

317 Double Blue. A selection of the old-fashioned Bachelor Button, producing a large percentage of beautiful double blue flowers. 2 feet.

Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c.

318 Double Blue Boy. Rich deep blue.

Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c.

318A Double Pinkie. Deep pink.

Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c.

319 Double Red Boy. Deep red.

Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c.

319A Double Snow Man. Pure white.

Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c.

320 Single and Double Mixed.

Pkt., 10c; 1/2 oz., 25c; oz., 50c.

Centaurea

(Sweet Sultan)

321 Moschata (Common Sweet Sultan). Mixed colors.

Pkt., 10c; 1/4 oz., 35c.

322 Suaveolens (Yellow Sweet Sultan).

Pkt., 10c.

Imperialis

(Royal Sweet Sultan)

Improved type of Sweet Sultan. Both plants and flowers are larger than the common.

323 Deep Lavender.

Pkt., 10c; 1/8 oz., 30c.

324 White.

Pkt., 10c; 1/8 oz., 30c.

325 Mixed Colors.

Pkt., 10c; 1/8 oz., 25c.

White-Leaved Centaureas

(Dusty Miller)

Half-hardy perennials which are grown annually from their seed for their foliage only. Used with other foliage and flowering bedding plants.

326 Candidissima. Yellow, silvery foliage. 1 foot.

Pkt., 10c; 1/8 oz., 35c.

327 Gymnocarpa. Lavender, silvery white foliage; of graceful, drooping habit. 1 1/2 feet.

Pkt., 10c; 1/4 oz., 30c.

Chrysanthemum

Free-flowering plants of branching habit, grow freely from seed, and are of easy culture, very desirable for cutting. Hardy annual. 1 to 1 1/2 feet.

330 Single (Painted Daisies). Mixed colors.

Pkt., 10c; 1/4 oz., 20c; oz., 60c.

331 Evening Star. Covered with bright golden yellow single flowers.

Pkt., 10c; 1/8 oz., 20c.

333 Northern Star. White, with yellow ring, dark eye.

Pkt., 10c; 1/4 oz., 20c.

Clarkia

Beautiful hardy annual of easy culture. Blossoms are borne in profusion on long graceful sprays. Fine for cutting. 2 feet.

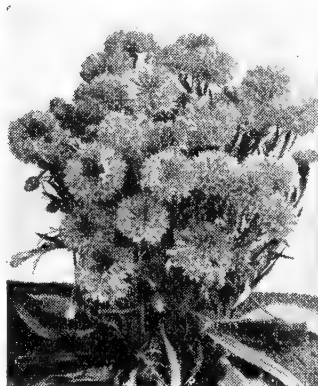
338 Single and Double Mixed.

Pkt., 10c; 1/8 oz., 35c.

Cleome—"Giant Spider Plant"

343 Pink Queen. A showy garden annual producing curious heads of flowers of clear soft pink color with long antenna-like stamens. 4 to 5 feet.

Pkt., 10c; 1/8 oz., 40c.



Centaurea, Jubilee Gem

Cobaea Scandens or Cathedral Bells

345. Rapid growing climbers with large purple bell-shaped flowers. 20 to 30 feet.

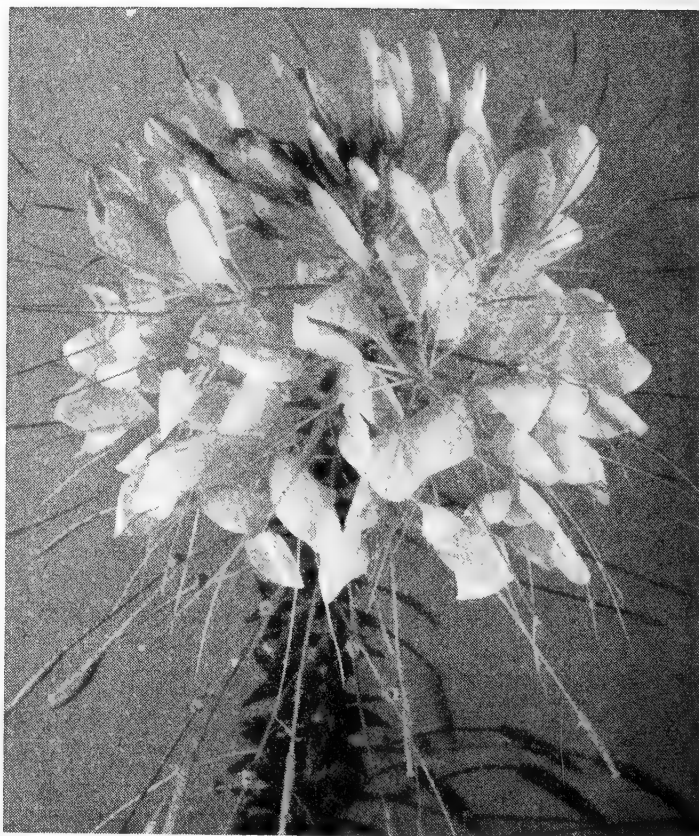
Pkt., 10c; 1/8 oz., 30c.

Coix Lachryma

(Job's Tears)

347. An ornamental grass growing from 7 to 9 feet high. Large, broad leaves bearing large shiny seed.

Pkt., 10c; 1/2 oz., 25c.



Cleome, Pink Queen

Coleus

Ornamental foliage plants, easily grown from seed.

350 Choice Hybrids Mixed. From a large collection; of greatly diverse shades and markings. **Pkt., 10c.**

351 New Large-Leaved Varieties Mixed. Saved from new varieties with very large and richly variegated foliage. **Cannot supply.**

Collinsia

A free flowering hardy annual with lovely blooms arranged in whorls on slender stems. Blooms from June to October. 1 foot.

353 Mixed Colors. **Pkt., 10c; ¼ oz., 25c.**

Convolvulus Minor (Dwarf Morning Glory)

Half-hardy annual of trailing habit, growing about 1 foot high, and bearing abundantly bell-shaped flowers.

356 Mixed Colors. **Pkt., 10c; ½ oz., 25c; oz., 40c.**

Burbank's Rainbow Corn

357. Annual, grows about 5 feet high. The foliage is striped with rose, purple, green and cream color.

Pkt., 10c; oz., 25c.

Giant Flowering Cosmos

Cosmos are among the finest annuals for table decoration. They are invaluable in the mixed border and for their long period of flowering.

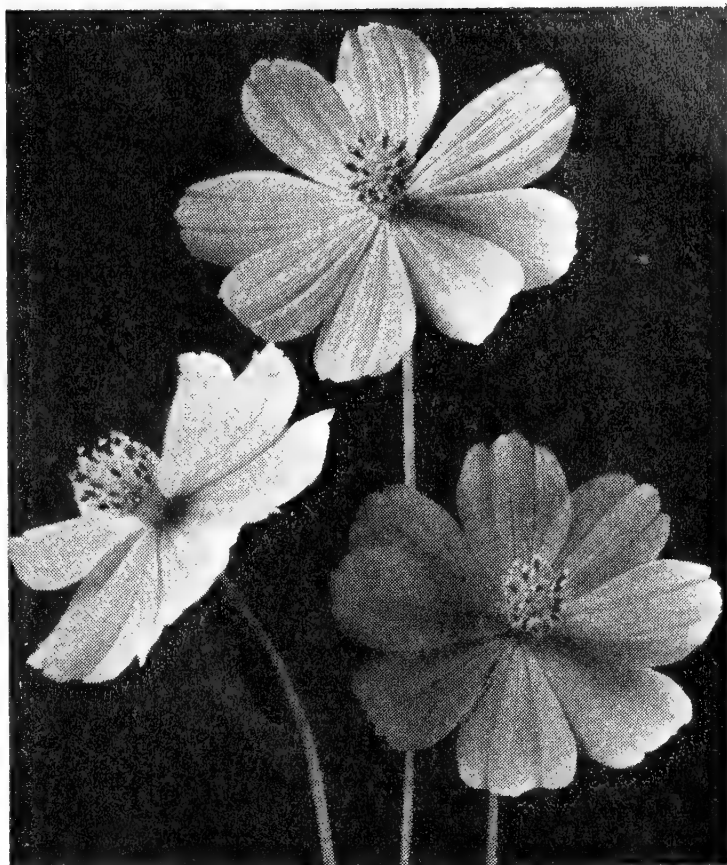
359 Klondyke, Orange Flare. Early flowering, deep orange. **Pkt., 10c; ¼ oz., 30c; ½ oz., 50c.**

359A Semi-Double Orange Ruffles. Vivid rich orange, butterfly-like double blooms. **Pkt., 10c; ¼ oz., 30c.**

360 Mammoth Perfection. Mixed colors. Of mammoth size, rather late in flowering. **Pkt., 10c; ¼ oz., 30c.**

362 Large Early Flowering. The flowers are large and bloom early. Crimson, Rose and White mixed. **Pkt., 10c; ¼ oz., 20c; ½ oz., 30c; oz., 50c.**

362A Crimson **362B Pink** **362C White**
Each, pkt., 10c; ¼ oz., 30c.



Orange Flare Cosmos

SENSATION TYPE

The Sensation type of Cosmos grows 4 to 5 inches in diameter with broad fluted petals. Blooms 8 to 10 weeks after sowing. 3 to 4 feet.

364 Sensation, Pinkie. Clear rose-pink. **Pkt., 10c; ¼ oz., 35c.**

364A Sensation, Purity. Pure white. **Pkt., 10c; ¼ oz., 35c.**

364B Sensation Finest Mixed. **Pkt., 10c; ¼ oz., 25c.**

Extra Early Double Crested Cosmos

The new annual crested type Cosmos is a distinct type, having double center, with a row of guard petals around the base.

365 Crimson King. Dark crimson.

365A Pink Beauty. Soft pink.

365B White Queen. Pure white.

365C White, Pink and Crimson mixed.

Pkt., 10c; ⅓ oz., 40c; ¼ oz., 75c; ½ oz., \$1.40; oz., \$2.50.

Cuphea

367 Firefly (Firecracker Plant). Semi-dwarf compact annual with a spread of about 12 inches. The miniature bushes are covered with deep rosy scarlet blooms. **Pkt., 10c.**

Ross' Giant Cyclamen

Charming house plants, with beautiful foliage and rich colored fragrant flowers.

369 Giant Mixed. **Cannot supply.**

Cynoglossum (Chinese Forget-Me-Not)

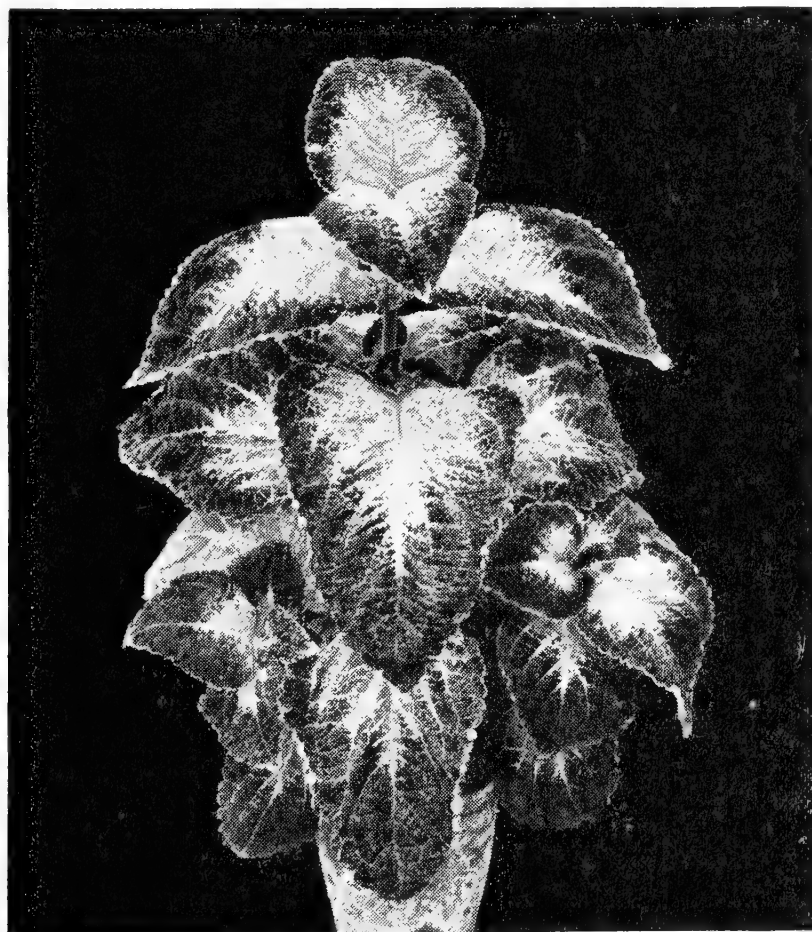
369A Amabile. Early flowering annual producing large sprays of rich blue flowers; excellent for cutting. 18 inches. **Pkt., 10c; ¼ oz., 25c.**

369B Firmament. Dwarf, bright, indigo-blue. **Pkt., 10c; ⅓ oz., 25c.**

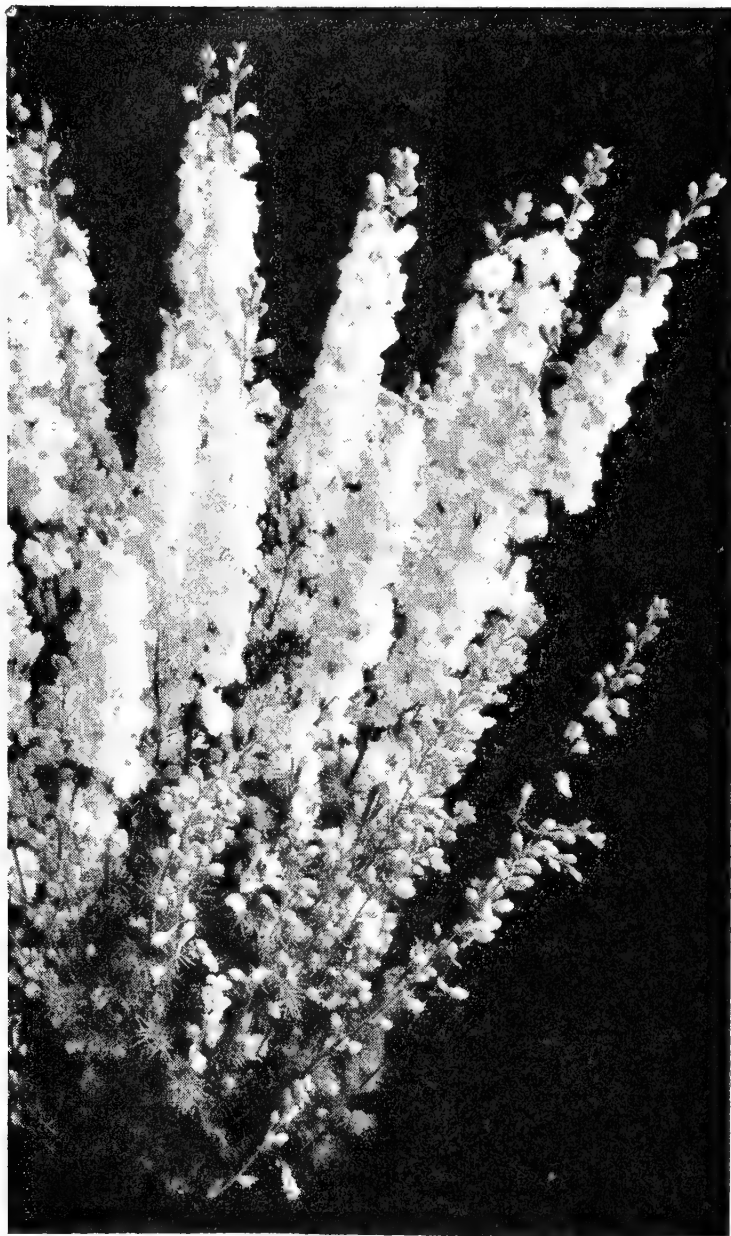
Cypress Vine

A popular climbing vine, with fernlike foliage, bearing small, star-shaped, rose, scarlet, or white flowers. Half-hardy annual. 10 to 12 feet.

370 Mixed Colors. **Pkt., 10c; ¼ oz., 80c.**



Coleus



Giant Imperial Delphiniums

Annual African Daisy

376 African Golden (*Dimorphotheca aurantiaca*). Beautiful showy annuals about 1 foot tall with gorgeous Daisy-like blooms during summer and fall. Flowers are excellent for cutting. **Pkt., 10c; 1/8 oz., 40c.**

379 Selected Hybrids Mixed. **Pkt., 10c; 1/8 oz., 35c.**

Datura

(*Trumpet Flower*)

Strong growing, ornamental annual shrubs. Flowers trumpet-shaped, large and fragrant.

383 Finest Mixed. **Pkt., 10c.**

Didiscus

420 Coeruleus (Blue Lace Flower). An attractive annual, blooming from July until frost. The flowers are pale lavender and are valuable for cutting.

Pkt., 10c; 1/8 oz., 25c.

Dolichos

(*Hyacinth Bean*)

A rapid growing hardy annual climber, bearing all summer, clusters of white or purplish blue flowers, followed by ornamental seed pods. 10 feet.

443 Mixed Colors. White and purple. **Pkt., 10c; 1/4 oz., 20c.**

Dracaena

(*Dragon Plant*)

434 Indivisa. Beautiful ornamental leaved plants; long, narrow, green foliage; indispensable for vases and house decoration. **Pkt., 10c; 1/8 oz., 25c.**

Delphinium

(*Larkspur*)

Showy, hardy annuals bearing long spikes of lovely colored flowers. 3 to 4 feet.

385 Dwarf Emperor. Double Stock Flowered. Finest mixed. A dwarf compact type ideal for border work. 2 feet. **Pkt., 10c.**

TALL DOUBLE STOCK FLOWERED

387 Carmine **389 Light Blue**

388 Dark Blue **390 White**

Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 75c.

391 Tall Double Stock Flowered. Mixed colors. A superior strain. 2 feet.

Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c; oz., 75c.

392 Giant Imperial, Carmine King. (New.) Deep carmine-rose. **Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 75c.**

392A Giant Imperial, Miss California. Rich, deep pink on salmon ground.

Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c; 1/2 oz., 75c.

392B Giant Imperial, Blue Bell.

Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c.

392C Giant Imperial, Blue Spire. Very deep violet-blue. **Pkt., 10c; 1/8 oz., 25c.**

392D Giant Imperial Finest Mixed.

Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c.

Dianthus

(*Pinks*)

Hardy biennials, blooming the first year from seed. Plant 6 inches apart. Height 1 foot.

398 Double China (*D. chinensis* fl.-pl.). Small, double flowers, borne in large clusters of many colors, mostly with white edge. **Pkt., 10c; 1/4 oz., 35c.**

399 Heddewigi Double (*D. Heddewigi* fl.-pl.). Japan Pinks. Very large, double flowers of a wide range of color. **Pkt., 10c; 1/4 oz., 35c.**

400 Single Mixed. Large single flowers, varied colorings. **Pkt., 10c; 1/4 oz., 35c.**

406 Laciniatus Splendens. Brilliant shade of crimson, with a large glistening white eye. **Pkt., 10c; 1/8 oz., 40c.**

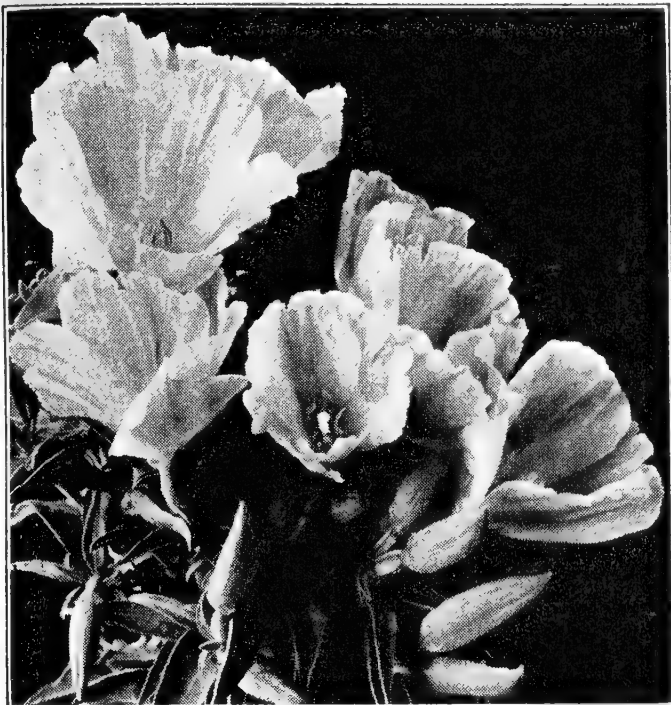
408 Double Snowdrift. Improved. White, very large flowers. **Pkt., 10c; 1/8 oz., 30c.**

415 Worcester Mixed. All the above and other choice strains. Unsurpassed. **Pkt., 10c; 1/4 oz., 30c; oz., \$1.00.**

419 Sweet Wivelsfield. The growth is like Sweet William but the flowers are large and have a much wider range of colors. **Pkt., 10c; 1/8 oz., 40c.**



Dianthus, Sweet Wivelsfield



Godetia, Satin Flower

Eschscholtzia *(California Poppy)*

A very showy hardy annual, with finely cut, glaucous foliage, bearing Poppy-like flowers of bright colors. Of easy culture. Sow as early as soil can be worked, where plants are to remain, as they do not bear transplanting well. 1 foot.

439 **Californica**. Yellow. Pkt., 10c; ½ oz., 35c.

442 **Mixed Colors**. Pkt., 10c; ½ oz., 25c; oz., 40c.

443 **Ramona Hybrids**. Finest mixed. A new compact strain with flowers beautifully frilled and incurved, a bright mixture.

Pkt., 10c; ½ oz., 35c; ¼ oz., 60c.

Euphorbia

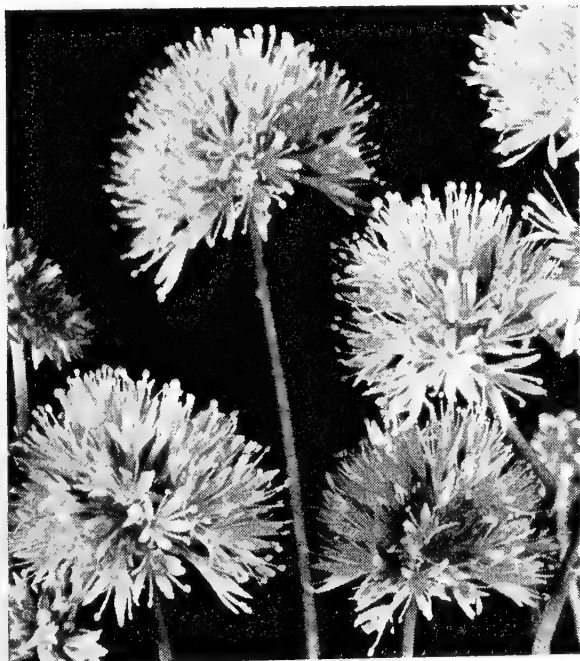
Ornamental foliage plant; easily grown from seed. Striking and effective appearance. Hardy annual.

452 **Variegata** (Snow-on-the-Mountain). Foliage veined and margined with white. 2 feet.

Pkt., 10c; ¼ oz., 25c.

453 **Heterophylla** (Fire-on-the-Mountain). A variety of Poinsettia which grows to a height of 2½ to 3 feet. About the middle of summer the top central leaves turn rich orange-scarlet.

Pkt., 10c; ¼ oz., 35c.



Gilia

Four O'Clock

(Marvel of Peru)

A well-known favorite plant, bearing freely white, red and striped flowers, which open about four o'clock in the afternoon. 2 feet.

465 **Mixed Colors**.

Pkt., 10c; oz., 25c.

FOXGLOVE. See Digitalis, page 52.

Gaillardia

(Blanket Flower)

ANNUAL VARIETIES

Very showy, free-blooming, hardy plants of easy culture. Seed germinate very slowly and should be sown in the house in March. Fine for cutting. 2 feet.

470 **Picta**. Single; mixed colors.

Pkt., 10c.

471 **Picta**. Double; mixed colors.

Pkt., 10c; ½ oz., 35c.

Geranium

Well known, half-hardy, greenhouse perennials. When sown in the fall or early winter will produce flowers in June, while sown in March, plants will not bloom until September, and sown in the open ground in May or June, plants will bloom in midwinter.

485 **Zonale** (Fish or Horseshoe Geranium). Saved from largest and finest varieties. Cannot supply.

Gilia

Bushy plants, of erect habit with fine feathery foliage. May be used as everlasting, retaining their color when dried; fine for cutting.

487A **Capitata** (Thimble Flower). 2 feet. Rich lavender-blue flowers, 1 inch across.

Pkt., 10c; ¼ oz., 25c.

Gomphrena

(Globe Amaranth)

488 **Mixed Colors**. A tender annual plant, bearing globe-shaped everlasting flowers, often used, when dried, in winter bouquets. 1½ feet.

Pkt., 10c; ¼ oz., 35c.

Gloxinia

Beautiful Greenhouse Perennial

Large bell-shaped flowers borne in clusters above velvety foliage.

489 **Splendid Mixture**. A mixture of all classes unrivaled in richness of color.

Pkt., 25c.

Godetia or Satin Flower *(Annual)*

Showy garden annuals, they are of compact growth, about 1 foot high, bearing flowers 3 to 4 inches across.

490 **Mixed Colors**. Tall. Includes all varieties and the latest introductions.

Pkt., 10c; ¼ oz., 35c.



Eschscholtzia (California Poppy)

Gourds Are Popular

Ornamental, tender climbers. 10 to 20 feet.

493 **Large Calabash**. Pipe or Pequin Gourd.

Pkt., 10c; ¼ oz., 20c; ½ oz., 35c.

494 **Large Siphon Dipper**. Duck Gourd.

Pkt., 10c; ¼ oz., 20c; ½ oz., 35c.

495 **Small Bottle**. (Miniature.)

Pkt., 10c; ¼ oz., 25c.

496 **Small Turk's Turban**. Ornamental, brightly colored.

Pkt., 10c; ¼ oz., 25c.

498 **Large Varieties Mixed**.

Pkt., 10c; ½ oz., 20c.

500 **Mixed Varieties**. Small sorts.

Pkt., 10c; ½ oz., 20c.

Gypsophila

(Baby's Breath)

Flowers very small, borne in loose, graceful panicles. Very largely used in bouquets with other cut flowers.

501 **Elegans Deep Rose**. H.A.

Pkt., 10c; ½ oz., 35c.

503 **Elegans Grandiflora Alba** (London Market Improved). White, extremely large flowers.

Pkt., 10c; ½ oz., 20c; oz., 30c.

505 **Elegans Grandiflora Alba**. White. An improved form of the annual Gypsophila. Grown by the acre for the London and Paris flower markets.

Pkt., 10c; ½ oz., 20c; oz., 30c.

Grevillea

507 **Robusta** (Silk Oak). The graceful evergreen, fernlike foliage combines admirably with palms and other massive-leaved plants. Excellent for table decorations.

Pkt., 10c

Helichrysum

(*Strawflower; Everlasting*)

One of the best everlasting flowers and an effective bedding plant. If flowers are desired for winter use, they should be cut just as the buds are opening. Hardy annual. 2 feet.

515 Double Mixed Colors (H. monstrosum fl.-pl.). Largest double flowers. Pkt., 10c; $\frac{1}{8}$ oz., 35c; $\frac{1}{4}$ oz., 60c.

Heliotrope

A well-known favorite largely grown in pots, but thriving in the open border.

518 Mixed Colors. Dark varieties mixed. Pkt., 15c.

519 Large-Flowering. Mixed colors. Heads of flowers nearly double the size of the old sorts. Pkt., 10c; $\frac{1}{8}$ oz., 35c.

Hollyhock

533 Indian Spring. (New Annual.) Blooms in less than five months after seed is sown and blooms continuously until frost. Bright rose and rosy carmine. Semi-double. 4 to 5 feet.

Pkt., 10c; $\frac{1}{8}$ oz., 35c.

534 Everblooming Hybrids. (Annual Hollyhocks.) Double, Semi-Double and Single. Mixed. A new strain, blooming the first season from seed.

Pkt., 10c; $\frac{1}{8}$ oz., 25c.

Humulus

(*Hop*)

Rapid-growing climbers with attractive foliage. The Japanese variety is a hardy annual, the best for quickly covering unsightly objects.

537 Japonicus (Japanese Hop).

Pkt., 10c; $\frac{1}{4}$ oz., 25c.

538 Japonicus, Variegated Foliage.

Pkt., 10c; $\frac{1}{4}$ oz., 30c.

Ice Plant (*Mesembryanthemum*)

546 Crystallinum. A trailing plant, with succulent stems and leaves. Excellent for hanging baskets and rock-work. Tender annual. 9 inches.

Pkt., 10c; $\frac{1}{8}$ oz., 25c.

Hunnemannia

540 Fumariaefolia (Giant Tall Poppy or Bush Eschscholtzia). A yellow Poppy, pleasing both in the border and as a cut flower.

Pkt., 10c; $\frac{1}{4}$ oz., 40c; $\frac{1}{2}$ oz., 75c.

541 Sunlite. Gorgeous semi-double, clear canary-yellow blooms, with extra band of petals outside. Foliage is a light gray-green.

Pkt., 10c; $\frac{1}{8}$ oz., 30c; $\frac{1}{4}$ oz., 50c.

Ipomoea

(*Morning Glory*)

Rapid-growing climbers of easiest culture; bloom earlier and more profusely on rather poor soils, but of higher growth and more attractive foliage when grown on rich soil. Tender annuals. 15 to 30 feet.

547 Cornell. Large flowers, carnelian-red, bordered white, free flowering; attractive bright green foliage.

Pkt., 10c; $\frac{1}{8}$ oz., 35c.

548 Pearly Gates. Large lustrous white flowers blending to cream in the throat, making a heavy cascade of flowers on fence, trellis, or garden wall.

Pkt., 15c.

549 Cardinal Climber (Ipomoea quamoclit hybrida). Leaves are dark green, fernlike and deeply lacinated; bears a great profusion of fiery, cardinal-red flowers.

Pkt., 10c; $\frac{1}{8}$ oz., 50c; $\frac{1}{4}$ oz., 90c.

550 Bona Nox (Evening Glory). Beautiful, large, violet-blue flowers which open at night. Rapid growth.

Pkt., 10c.

552 Rose Marie. Double early flowering, clear deep rose.

Pkt., 10c.

553 Heavenly Blue. Clark's Earliest. (Rubra coerulea.) Deep sky-blue flowers, 4 to 5 inches across. Early flowering.

Pkt., 10c; $\frac{1}{4}$ oz., 25c.

554 Scarlett O'Hara. Rich dark wine-red, freely produced on fast growing vines, which start blooming within 65 days after seed is sown.

Pkt., 15c; $\frac{1}{4}$ oz., 35c.

Kochia

556 Tricophylla (Summer Cypress). A very quick-growing annual. Through the summer this is bright green, but commences in early fall to gradually take on a red tinge, becoming entirely red before it dies. 2½ feet.

Pkt., 10c; $\frac{1}{4}$ oz., 20c.

Lantana

562 Hybrida Finest Mixed. Shrubby, with many clusters of dainty flowers in yellow, orange, red, and pink. 18 inches. All summer. Fine for potting.

Pkt., 10c; $\frac{1}{8}$ oz., 35c.

Lavatera Trimestris

Beautiful and effective hardy annual, covered during the entire summer with pretty and showy blossoms.

576 Rose-Pink

577 White

Pkt., 10c; $\frac{1}{8}$ oz., 25c.

Linum

(*Crimson Flax*)

580 Grandiflorum Rubrum. The rich crimson flowers last only a day, but are borne continuously until frost. 15 to 18 inches.

Pkt., 10c; $\frac{1}{4}$ oz., 25c.

Lobelia

Pretty little plants of easy culture, blooming profusely from June until frost. The dwarf varieties are useful for bedding and edging, the trailing variety is excellent for hanging baskets, vases and rock work. Half-hardy annuals.

585 Crystal Palace Compacta. Rich blue flowers, dark foliage.

Pkt., 10c; $\frac{1}{8}$ oz., 50c.

586 Cambridge Blue. Large light blue flowers, green foliage, compact.

Pkt., 10c; $\frac{1}{16}$ oz., 50c.

587 Blue Gown. Clear deep blue.

Pkt., 10c; $\frac{1}{16}$ oz., 40c.

Lunaria

(*Honesty*)

589 Biennis. Hardy biennial, but grown as annuals, admired for their silvery, papery seed pods, which are used for house ornaments. 3 feet.

Pkt., 10c; $\frac{1}{8}$ oz., 25c.

Lupin

590 Annual Varieties, Mixed. Easily grown plants. Long, graceful spikes of pea-shaped flowers of various colors. 2 feet.

Pkt., 10c; $\frac{1}{4}$ oz., 30c; $\frac{1}{2}$ oz., 50c.



Morning Glory, Scarlett O'Hara

Jerusalem Cherry (*Solanum*)

An ornamental and interesting genus of fruit-bearing plants; singularly bright in fruit and foliage. Popular for greenhouse or house decoration.

555 Solanum Capsicastrum. Covered with scarlet fruit during the winter. 1½ feet.

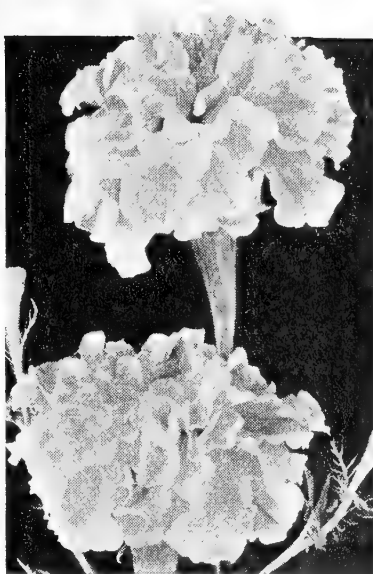
Pkt., 10c.



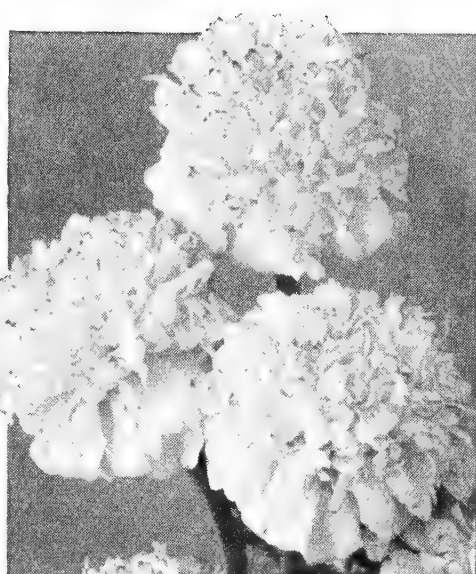
Helichrysum (Strawflower)



Harmony



Guinea Gold



Dwarf Double Butterball

Marigolds

Favorite annual plant, blooming the entire summer; easily cultivated. The African varieties bear large yellow or orange flowers and the plants are usually tall. The French type is of dwarf habit and flowers are striped. Hardy annual, 1 to 3 feet.

596 Dwarf Gigantic (Gypsy Jewels). Sweet scented flowers 4 to 4½ inches in diameter on 12- to 15-inch plants. A wide range of brilliant shades. **Pkt., 15c; ½ oz., 30c.**

597 Dwarf Double Butterball. (Harmony Type.) Soft butter-yellow; crested centers, tubular petals, each carrying a touch of maroon at the tip. **Pkt., 10c; ½ oz., 25c.**

598 Mission Giant Goldsmith. Rich golden orange flowers 4 to 5 inches in diameter. Height 18 inches. **Pkt., 10c; ½ oz., 30c.**

599 Scarlet Glow. (Dwarf Double French.) Deep scarlet flowers turning to rich tangerine. Height 10 inches. **Pkt., 10c; ½ oz., 35c.**

600 Yellow Supreme. 2 to 2½ feet. Tall, bearing loosely ruffled creamy lemon-yellow Carnation-flowered blossoms. **Pkt., 10c; ½ oz., 25c.**

600A Guinea Gold. Brilliant orange with double, ruffled, loose-leaf petals. 2 to 2½ feet high, producing flowers 2 to 2½ inches across. **Pkt., 10c; ½ oz., 25c; ¼ oz., 45c; ½ oz., 80c.**

601 Lemon "All Double." **Pkt., 10c; ½ oz., 35c.**

601A Orange "All Double." **Pkt., 10c; ½ oz., 35c.**

602 Gigantea, Sunset Giants. A remarkable new sweet scented, robust growing, extremely large flowered type; ideal for show purposes, florists, and garden decoration. **Pkt., 10c; ½ oz., 35c.**

603 African Double Mixed. All shades of the African type. **Pkt., 10c; ¼ oz., 25c; ½ oz., 40c; oz., 75c.**

604 Collarette, Crown of Gold. Orange, 2½-inch flowers, crested centers, broad guard petals, odorless foliage. **Pkt., 10c; ½ oz., 35c.**

605 Harmony. Double Dwarf French. Dwarf compact plants, flowers golden yellow bordered maroon-red, scabious-shaped. **Pkt., 10c; ½ oz., 25c.**

606 French Dwarf Double, Royal Scot. Uniformly dwarf, compact plants, fully double, rich mahogany-red and gold striped flowers. **Pkt., 10c; ½ oz., 25c.**

607 French Double Mixed. Shades of yellow and brown. 2 feet. **Pkt., 10c; ¼ oz., 20c.**

608 Lieb's Winter Flowering. Maroon and golden yellow flowers, crested center, very late blooming, excellent for winter cut flowers when greenhouse grown. **Pkt., 10c; ½ oz., 35c.**

609 Early Dixie Sunshine. (Sunrise.) Brilliant golden yellow, comes 100 per cent fully double and blooming commences by August. **Pkt., 10c; ½ oz., 40c.**

609A Tall Single French, Josephine. Dark maroon-brown, edged with gold. Plants grow 2 feet high, bushy. Flowers are fine for cutting. **Pkt., 10c; ¼ oz., 25c.**

609B Tall Single, Ferdinand. Crested center of golden yellow, surrounded by a single row of broad mahogany-red guard petals. **Pkt., 10c; ½ oz., 25c.**

609C Flash. (Burpee.) French Dwarf Single Tangerine and Marigold Red. Early. Flowers grow 1¾ inches and more across. The plant is 18 inches tall. **Pkt., 10c; ½ oz., 40c.**

SCOTCH MARIGOLD. See Tagetes, page 48.

Matricaria (Feverfew)

611 Capensis Alba Plenissima. Double white, 24 inches. Very decorative in beds or borders, fine for cutting. Perennial, but may be treated as annuals. **Pkt., 10c; ½ oz., 35c.**

612 Golden Ball. Dwarf double. Compact bushes 10 inches high covered with tiny Chrysanthemum-like golden yellow flowers. **Pkt., 10c; ½ oz., 50c.**

Mignonette (Reseda Odorata)

A well-known and popular hardy annual, prized for its delightful fragrance. Seeds sown in autumn will bloom in early spring, and when sown the last of July will come into flower in a few weeks and continue until frost.

614 Bismark. Large red flowers, very fragrant. 1 foot. **Pkt., 10c; ½ oz., 25c.**

615 Grandiflora. Improved, large-flowered, Sweet Mignonette. **Pkt., 10c; ½ oz., 25c; oz., 40c.**

618 Golden Queen. Golden yellow. **Pkt., 10c; ¼ oz., 25c; oz., 75c.**

619 Machet Improved. Large thick spikes of reddish cast, of dwarf habit, dark foliage; best for pots. **Pkt., 10c; ¼ oz., 25c.**

620 Giant White. Best white. **Pkt., 10c; ¼ oz., 25c; oz., 75c.**

621 New York Market. Long-stemmed reddish spikes. **Pkt., 10c; ½ oz., 30c.**

625 Mixed Varieties. The above and other varieties. **Pkt., 10c; ¼ oz., 20c; oz., 60c.**

MORNING GLORY, DWARF. See Convolvulus minor.

Matthiola Bicornis

(Night-Scented Stock)

610. A hardy annual with rosy lavender flowers, giving forth a delightful fragrance—especially toward evening. 1 foot. **Pkt., 10c; ¼ oz., 20c.**

Moonflower (Ipomoea)

635 Grandiflora Alba (Ipomoea noctiflora). Rapid-growing variety reaching height of 30 feet. Large white flowers open in evening and on cloudy days. **Pkt., 10c; ½ oz., 30c.**

635B Pink Hybrid Moonflower. Color, soft lilac-pink. Vines are of rapid growth with large leaves. Blooms very profusely. **Pkt., 10c; ½ oz., 35c.**

MUSK PLANT. See Mimulus.

MOURNING BRIDE. See Scabiosa.

Morning Glory

(Convolvulus Major)

A well-known vine of easiest culture. Hardy annual. 10 feet.

636 Mixed Colors. **Pkt., 10c; ½ oz., 20c; oz., 35c.**

637 Imperialis Mixed Morning Glory. Larger than the common type, the range of colorings much greater. 8 feet. **Pkt., 10c; ½ oz., 25c; oz., 40c.**

IPOMOEA. See page 40.

Nemesia

Long blooming annual with large flowers, varying from creamy white to deep orange and carmine. Most useful for bedding. 1½ feet.

756 Strumosa Suttoni. **Pkt., 10c.**

Nemophila (Baby Blue Eyes)

An attractive hardy annual, bearing cup-shaped flowers about an inch in diameter usually in shades of blue and white, often spotted with brown.

757 Insignis Blue. **Pkt., 10c; ¼ oz., 25c.**



Ross' Colorful Nasturtiums

No other annual plant combines in so great degree ease of culture, profusion of bloom and grace and beauty of flowers, as the Nasturtium.

Semi-Dwarf Nasturtium Double Sweet Scented

708 Gleam Hybrids. The Hybrids are a collection of gorgeously colored large, well-formed flowers of dazzling beauty. **Pkt., 10c; oz., 25c.**

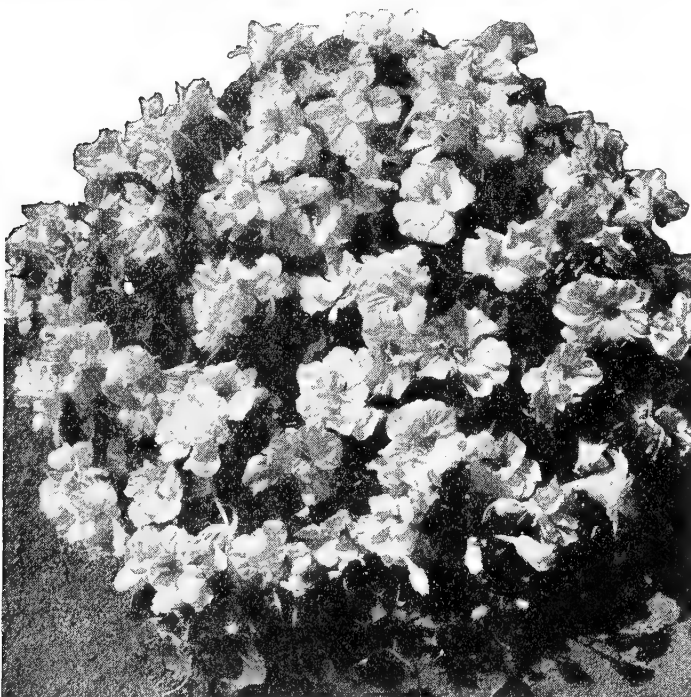
709 Scarlet Gleam. The flowers are a fiery orange-scarlet. The individual blooms are of immense size, almost 3 inches across, much larger than any Nasturtium ever known. **Pkt., 10c; oz., 25c.**

710 Golden Gleam. Large golden flowers average 2½ to 3 inches across. They are borne on erect, stiff stems 6 inches long. The flowers stand well above the foliage. **Pkt., 10c; oz., 25c.**

711 Moon Gleam. Light golden cream. **Pkt., 10c; oz., 30c.**

712 Orange Gleam. Golden orange. **Pkt., 10c; oz., 30c.**

714 Salmon Gleam. Golden salmon. **Pkt., 10c; oz., 30c.**



Dwarf Golden Nasturtiums

Tall Nasturtiums

(*Tropaeolum majus*)

672 Choice Mixed. Many varieties; a wide range of colors. **Pkt., 10c; oz., 30c; ¼ lb., \$1.00; 1b., \$3.00.**

673 Special Mixture. Including dark-leaved varieties. **Pkt., 10c; ½ oz., 20c; oz., 30c.**

Worcester Tall Mixed

705 Worcester Mixed Tall Nasturtiums. Our own mixture of many varieties; comprises selections from all classes, including the New Variegated-Leaved or Queen, and choice mixtures from different growers.

Pkt., 10c; oz., 30c; ¼ lb., \$1.00; 1b., \$3.00.

Dwarf Semi-Double Nasturtium

Sweet Scented

716 Golden Globe. Golden yellow. **Pkt., 10c; oz., 30c.**

718 Mahogany Gem. Deep mahogany. **Pkt., 10c; oz., 30c.**

722 Ruby Gem. Bright ruby-red. **Pkt., 10c; oz., 30c.**

726 Scarlet Globe. Scarlet. **Pkt., 10c; oz., 30c.**

728 Dwarf Double Gem Mixture. Sweet Scented. Dwarf compact gemlike plants, excellent color range.

Pkt., 10c; oz., 30c.

Dwarf, or Tom Thumb Nasturtium

The dwarf Nasturtium is not surpassed by any other annual plant for bedding, being of the easiest culture, thriving in nearly all soils and blooms profusely.

742 Finest Mixed. Dark leaved varieties. **Pkt., 10c; ½ oz., 20c; oz., 30c.**

744 Ivy-Leaved Mixed. Ivy-shaped dark green leaves with white veins. The flowers are deeply laciniated and come in many attractive colors. **Cannot supply.**

746 Choice Mixed. While not equal to the Worcester Mixed is of wide range of colors and will give pleasing results. **Pkt., 10c; oz., 30c; ¼ lb., \$1.00; 1b., \$3.00.**

Worcester Mixed Dwarf Nasturtium

747. Like the Worcester Tall Mixed, this is of our own preparation and cannot be surpassed in diversity of colors and types; includes all the named varieties of classes here described and other choice mixtures of noted growers.

Pkt., 10c; oz., 30c; ¼ lb., \$1.00; 1b., \$3.00.

749 Variegated Leaved or Queen of Tom Thumbs, Mixed. Shades, light primrose, deep scarlet, crimson and deep orange more or less veined or spotted with other colors.

Pkt., 10c.



PETUNIAS *Bloom All Summer*

An attractive and favorite hardy annual. Used for window boxes, beds or borders. They will grow in almost any kind of soil, even the poorest, blooming profusely from early summer until frost.

811A Large Flowering Single Fringed *Violacea*. Velvety violet-blue. Pkt., 25c.

812 Celestial Rose. Deep rose, compact. Pkt., 10c; 1/8 oz., 60c.

813 Radiance. Cerise rose. Pkt., 10c; 1/8 oz., 50c.

814 Finest Mixed. A superior mixture. Pkt., 10c; 1/8 oz., 40c; 1/4 oz., 75c; oz., \$2.25.

814A Silver Blue (Heavenly Blue). Light blue. Pkt., 10c; 1/8 oz., 50c.

815 Cream Star (Hybrida Nana Compacta). Flowers are a soft, creamy white, bluntly star shaped. Pkt., 10c; 1/8 oz., 50c.

815A Grandiflora Single Fringed, Theodosia. Largest fringed rose, gold throat. Pkt., 25c.

815B English Violet. Rich purple-violet. Pkt., 10c; 1/8 oz., 60c.

816 Howard's Star. Rich shade of maroon, with five-pointed star of white. Very pretty. Pkt., 10c; 1/8 oz., 50c.

817 Dwarf Inimitable Mixed Colors. Dwarf, bushy plants, flowers mostly beautifully striped and blotched. Pkt., 10c; 1/8 oz., 60c.

817A Rose of Heaven. Brilliant rose, dwarf. Pkt., 10c; 1/8 oz., 60c.

818 Rosy Morn. Extra select. A single flower, soft carmine-pink. A profuse bloomer. Pkt., 10c; 1/8 oz., 60c; 1/4 oz., \$1.00.

818A Large Flowering Single Fringed, Lace Veil. Pure white, dwarf habit. Pkt., 25c.

819 Setting Sun. Dwarf rose, very free-flowering. Pkt., 25c.

820 Elk's Pride. Largest and darkest velvety purple. Pkt., 25c.

820A Flaming Velvet. Deep velvety blood-red, about 15 inches in height and the flowers are large and borne in great profusion. Pkt., 10c; 1/8 oz., 60c.

820B Fluffy Ruffles. A mixture of light shades, veined and bicolor combinations. All flowers are finely fringed and so heavily ruffled that they appear double. Pkt., 25c.

820C Snow Queen. Large flowers, white. Pkt., 10c; 1/8 oz., 40c.

820D Topaz Rose. A fiery velvety rose slightly suffused with gold. The throat is the color of topaz. Pkt., 10c; 1/8 oz., 60c.

821 Miniature Mixed. Pkt., 10c; 1/16 oz., 40c.

823 Dwarf Giants of California. (Ramona Strain.) Dark and light colors. Pkt., 25c.

824 Giants of California. A superb strain. Flowers are of remarkable substance, enormous size and many are beautifully fringed. Pkt., 25c; 1/16 oz., \$3.00.

825 Double, Large-Flowered, Choice Mixed. An excellent mixture comprising a large variety of colors, with a good percentage of double flowers. Cannot supply.

826 Balcony Blue. Dwarf type for porch or window boxes. Pkt., 10c; 1/16 oz., 40c.

827 Balcony Rose. Pkt., 10c; 1/16 oz., 40c.

828 Balcony White. Pkt., 10c; 1/16 oz., 40c.

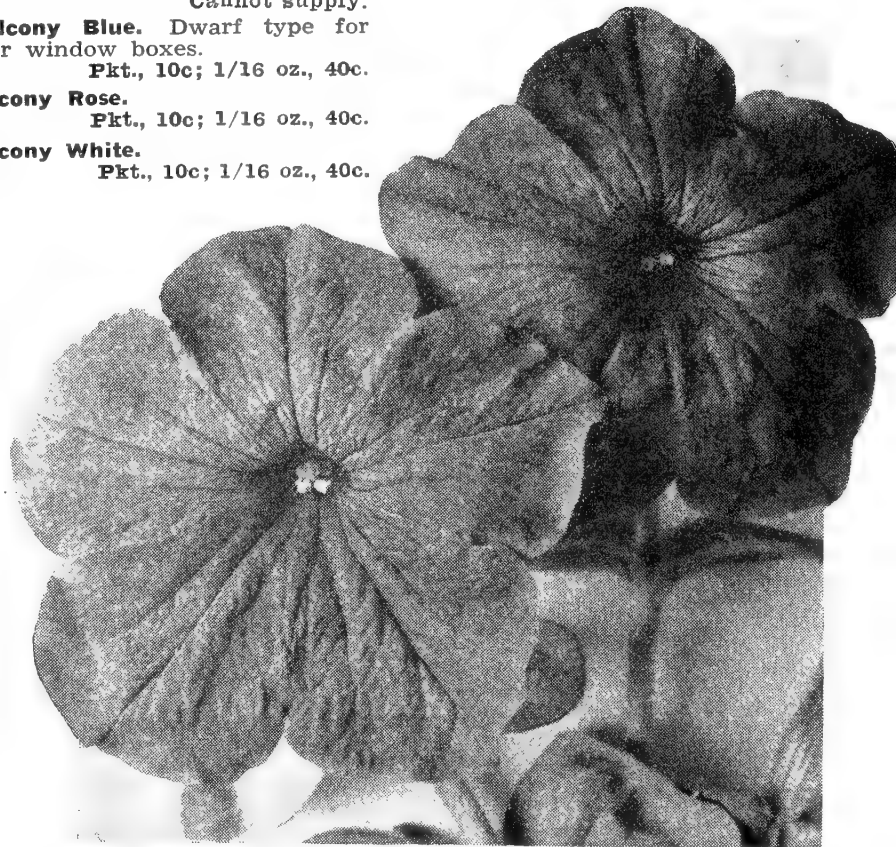
829 Balcony, Star of California. Deep velvety violet, shaded crimson, with white star. Pkt., 10c; 1/16 oz., 40c.

829A Balcony Mixed Colors. Pkt., 10c; 1/16 oz., 35c.

All Double Petunias

Acknowledged by countless testimonials to be 100 per cent double. Flowers frequently exceed 5 inches in diameter and are exquisitely ruffled and fringed in a vast range of brilliant intermediate colors.

822 Victorious Dwarf Mixed. Pkt., \$1.00.



Petunia, Elk's Pride

Nicotiana

(Flowering Tobacco)

Handsome, effective, half hardy annuals, blooming profusely the entire season and thriving in all soils.

758 Affinis. White, starlike flowers, deliciously fragrant, expand fully in the evening. 2 to 3 feet.

Pkt., 10c; 1/8 oz., 35c.

759 Sanderae, Crimson King. Remarkably profuse in bloom. Unlike the Affinis, is in full bloom during the day. 3 to 3 1/2 feet.

Pkt., 10c; 1/8 oz., 35c.

760 Sanderae Hybrids. New hybrids, comprising several distinct colors or shades.

Pkt., 10c; 1/8 oz., 25c.

Nierembergia

(Dwarf Cup Flower)

760B Hippomanica. Lavender-blue flowers on dwarf compact plants, 4 to 6 inches high with a spread of 8 to 10 inches. Half-hardy perennial which will winter over if given some protection.

Pkt., 25c.

Nigella (Love-in-a-Mist; Lady-in-Green; Devil-in-a-Bush)

The blue or white flowers are half hidden in the abundant finely cut foliage, hence its common names. 1 to 1 1/2 feet.

761 Double Mixed.

Pkt., 10c; 1/4 oz., 35c.

Phlox Drummondii

Phlox is one of the easiest and most satisfactory of all the summer-flowering annuals, even in poor or stony soil. Sow seed early in spring in a sunny location.

830 Mixed Colors.

Pkt., 10c; 1/8 oz., 75c.

831 Large Flowering. Extra choice. Mixed colors. Our own mixture of the choicest and best strains from different growers.

Pkt., 10c; 1/8 oz., 75c.

833 Isabellina. Pure yellow.

Pkt., 10c; 1/8 oz., 75c.

841 Dwarf (P. Drummondii nana compacta). 6 to 8 inches high. Mixed colors.

Pkt., 10c; 1/8 oz., 75c.

842 Gigantea, Art Shades. A giant-flowered strain in soft pastel shades with large white eye. 8 to 10 inches high.

Pkt., 10c.

842A Gigantea, Salmon Glory. Pure salmon-pink with creamy white eye.

Pkt., 25c; 1/8 oz., 60c.

843 Star or Fringed (P. Drummondii cuspidata). Mixed colors.

Pkt., 10c.

Poppy

Well-known hardy plants of quick growth, blooming profusely for a considerable time.

SINGLE ANNUAL POPPIES

862 Tulip Poppy (Glaucum). Large tulip-shaped flowers, deep scarlet.

Pkt., 10c; 1/4 oz., 25c.

870 Shirley. A lovely strain, delicate and rich shades.

Pkt., 10c; 1/4 oz., 20c.

871 True Flanders. The scarlet Poppy of the fields of Flanders. They flower the first season from spring-sown seed.

Pkt., 10c; 1/4 oz., 25c.

DOUBLE ANNUAL POPPIES

878 Carnation-Flowered. Mixed. Fine, large, fringed flowers of many colors.

Pkt., 10c; 1/4 oz., 25c.

880 Dazzler. Orange-scarlet.

Pkt., 10c; 1/4 oz., 25c.

884 Shirley Double Begonia-Flowered. Mixed.

Pkt., 10c; 1/4 oz., 25c.

885 Shirley. Double mixed.

Pkt., 10c; 1/4 oz., 25c.

886 Tall Double Carnation-Flowered White. (Fringed.) Flowers from 3 to 4 inches across; very double and finely fringed. Pure white. **Sold out.**

888 Worcester Mixed. Our own mixture of single and double annual varieties. All types and colors.

Pkt., 10c; 1/4 oz., 25c; oz., 75c.

CALIFORNIA POPPY. See Eschscholtzia.

Primula

(Primrose)

PRIMULA SINENSIS

(Chinese Primrose)

A beautiful winter-blossom greenhouse perennial blooming from December to spring.

900 Choicest Mixed. Comprises the finest fringed varieties. **Cannot supply.**

902 Malacoides. Lilac.

Pkt., 25c.

Portulaca

Well-known tender annuals, blooming profusely all summer. Thrive in most soils and locations, but succeed best in a light, sandy soil and sunny spot, enduring any amount of dry weather.

894 Double Choice Mixed. Usually from 50 to 60% of the flowers will come double.

Pkt., 10c; 1/8 oz., 75c; 1/4 oz., \$1.25; 1/2 oz., \$2.25; oz., \$4.00.

895 Single Scarlet.

Cannot supply.

896 Rose.

Cannot supply.

899 Single Mixed.

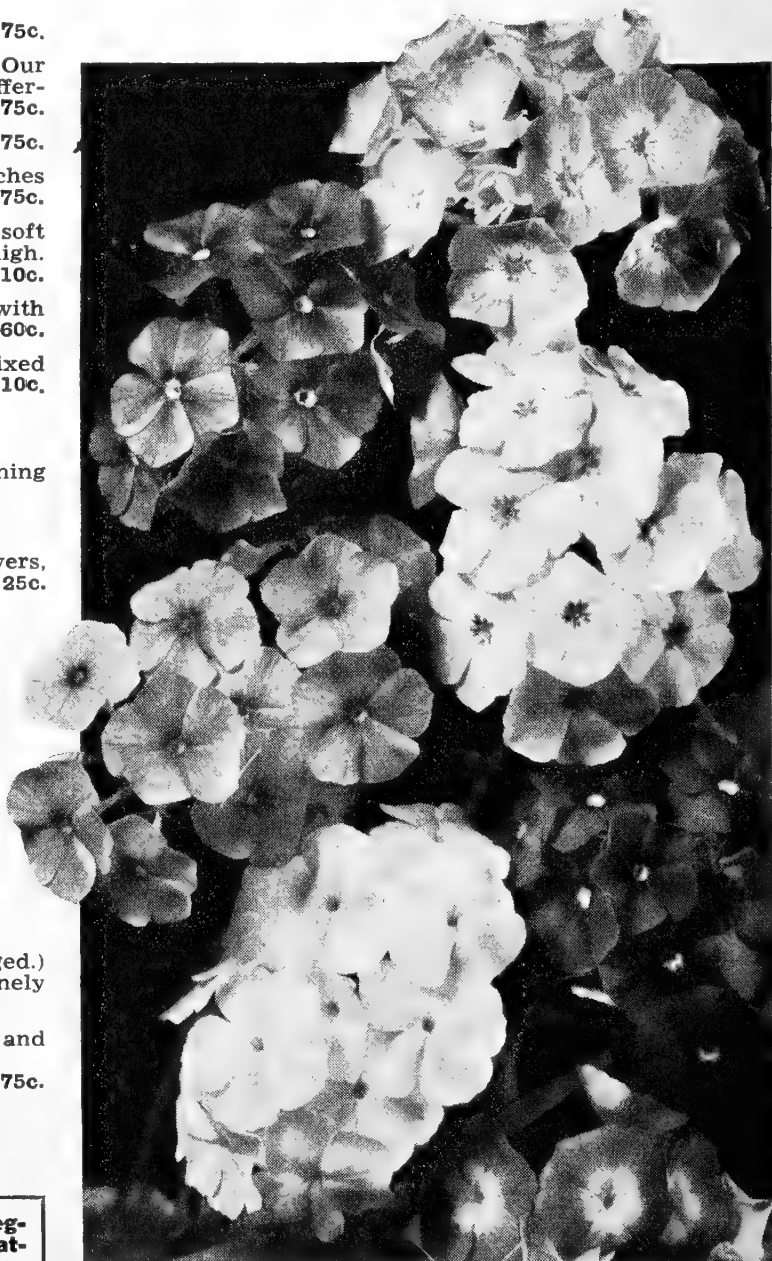
Pkt., 10c; 1/4 oz., 75c.

Rhodanthe

One of the finest everlasting flowers and an excellent plant for garden decoration. If flowers are gathered before they are fully expanded and dried in the shade they will retain their color for years.

920 Mixed Colors. All shades of pink, rose, crimson and white.

Pkt., 10c.



Phlox Drummondii

We deliver free in the United States all Bulbs, Vegetable and Flower Seeds, at prices listed in this catalog. See inside front cover. Prices subject to change.

Rudbeckia

(Coneflower)

To this family belong the favorite plants Golden Glow and Black-Eyed Susan.

923 Bicolor Superba. Bright yellow, with velvety brown spots at base of petals. Two feet. **Pkt., 10c; 1/4 oz., 25c.**

924 My Joy. Giant Black-Eyed Susan. Large orange-yellow flowers, dark cone. **Pkt., 10c; 1/8 oz., 40c.**

Salpiglossis

(Velvet Flower; Painted Tongue)

Graceful, half-hardy annual, blooming from August to October. Seed may be sown in the house the last of March or in the open ground in May. Two feet.

928 Grandiflora. Choicest mixed. Extra large flowered strain. **Pkt., 10c; 1/8 oz., 30c.**

929 Emperor. Mixed colors. New type with one thick leading stem, flowers large and distinct in their beautiful veinings of gold. **Pkt., 10c; 1/8 oz., 30c.**

Salvia

(Scarlet Sage)

A mass of bloom from late summer until killed by frost; tender perennial, treated as an annual. Seed should be sown early indoors, or in hotbed and the plants set out when the weather has become warm.

934 America, or Globe of Fire. Semi-dwarf, rounded. Scarlet flowers. 16 inches. **Pkt., 10c; 1/8 oz., \$1.00.**

935 Splendens Grandiflora. The well-known Scarlet Sage. 2 feet. **Pkt., 10c; 1/8 oz., 60c.**

936 Bonfire (Clara Bedman). Compact, bushy growth. Blooms earlier and more profusely. Intense scarlet. 2 feet. **Pkt., 10c; 1/8 oz., 60c.**

937 Farinacea, Blue Bedder. Compact deep blue. 3 feet. **Pkt., 10c; 1/8 oz., 60c.**

938 Zurich. Dwarf, compact, brilliant scarlet flowers blooming in July. 12 inches. **Pkt., 10c.**

Sanvitalia

940. Double; fine for bedding, borders or rockeries. The flowers are bright yellow. **Pkt., 10c; 1/8 oz., 25c.**

Scabiosa

(Mourning Bride)

The flowers are large and double, with a great variety of colors. Of easy culture and blooms freely from July until hard frost. Hardy annual. 2½ feet.

941 Imperial Giants, Blue Moon. Extremely large, well-formed flowers with fully double, broad frilly petals, rounded beehive shape. **Pkt., 10c; 1/4 oz., 40c.**

941A Heavenly Blue. About 18 inches tall, free-flowering, with fully double 1½-inch flowers. Very early, azure-blue, distinct. **Pkt., 10c.**

942 King of the Blacks. Large flowered, tall double, reddish black. **Pkt., 10c; 1/4 oz., 35c.**

943 Rosette. Large-flowered, tall, double. Deep rose, heavily suffused with salmon. **Pkt., 10c; 1/4 oz., 35c.**

944 Shasta. Large flowered, tall double. Pure white, very large. **Pkt., 10c; 1/4 oz., 35c.**

945 Large-Flowered. Mixed colors. Fine, large double flowers in a wide range of colors. **Pkt., 10c; 1/4 oz., 25c.**

SCARLET RUNNER. See Beans—Ornamental Varieties.

Schizanthus

(Butterfly, or Fringe Flower)

Showy half-hardy annuals, very decorative for garden beds and unsurpassed in pots for the conservatory.

948 Grandiflorus Hybrids. Very fine varieties. **Pkt., 10c; 1/8 oz., 60c.**

949 Wisetonensis. Containing the most beautiful shades of white, pink, rose and crimson. Excellent for pot culture. **Pkt., 10c; 1/8 oz., 50c.**

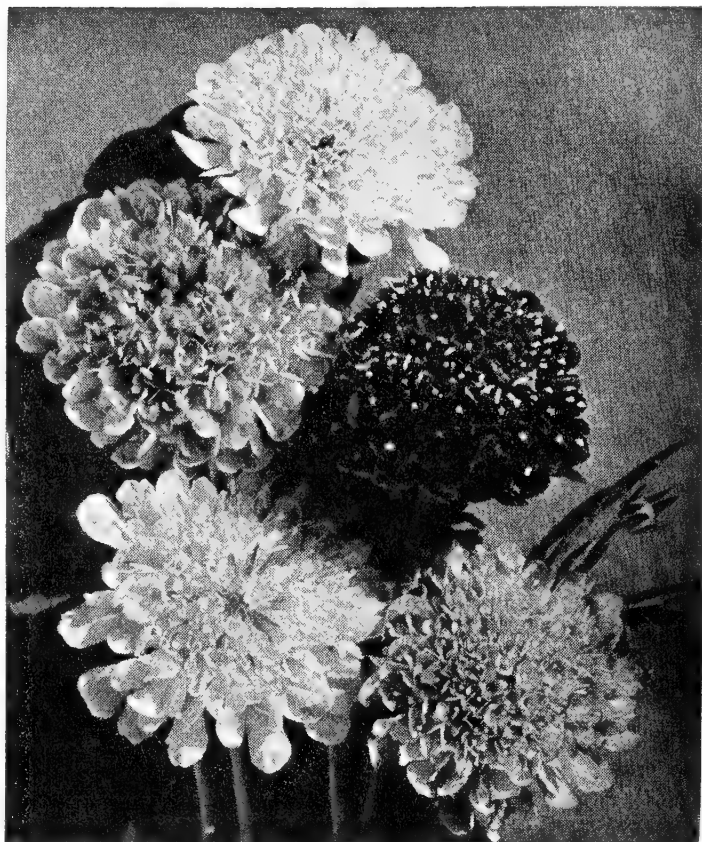
Sensitive Plant

(Mimosa Pudica)

950 Pudica. Globular heads of small pink flowers. Tender annual. 1½ feet. **Pkt., 10c.**

SNAPDRAGON. See Antirrhinum.

SOLANUM CAPSICASTRUM. See Jerusalem Cherry.



Large Flowered Scabiosa, Mixed Colors

Smilax

955. A climbing plant, unsurpassed for its graceful foliage and orange blossom fragrance of its flowers.

Pkt., 10c; 1/8 oz., 35c.

Statice

Beautiful everlasting with spreading panicles of tube-like flowers that are decorative either in the garden or when cut.

956 Suworowi Pink. **Pkt., 10c; 1/8 oz., 30c.**

956A Sinuata Blue. **Pkt., 10c; 1/4 oz., 25c.**

956B Sinuata Yellow (Bonduelli) **Pkt., 10c; 1/4 oz., 25c.**

956C Sinuata White. **Pkt., 10c; 1/4 oz., 25c.**

Sweet William

1310 Annual Finest Mixed. **Pkt., 10c; 1/8 oz., 25c.**

Stock

(Gilliflower)

One of the most popular annuals, remarkable for its profusion of bloom, brilliancy and diversity of colors and lasting quality of its flowers.

957 Beauty of Nice. Mammoth flowering. Delicate flesh-pink, extra large spike. **Pkt., 10c; 1/8 oz., 50c.**

958 Mont Blanc. Purest white. **Pkt., 10c; 1/16 oz., 25c.**

959 Monte Carlo. Canary-yellow. **Pkt., 10c; 1/16 oz., 25c.**

961 Summer Night. Rich deep blue. **Pkt., 10c; 1/16 oz., 25c.**

DRESDEN PERPETUAL OR BRANCHING

(Cut-and-Come-Again)

A perpetual blooming class of branching habit; double fragrant flowers. 2 feet.

967 Choicest Mixed. **Pkt., 10c; 1/16 oz., 25c; 1/8 oz., 40c.**

971 Large-Flowered Double Ten Weeks Mixed. Seeds grown in the open ground instead of in pots, therefore cheaper. A good range of colors. 1½ feet.

Pkt., 10c; 1/8 oz., 25c; 1/4 oz., 40c.

972 Double Early Giant Imperial Mixed. (Imp. Bismarck.) **Pkt., 10c; 1/8 oz., 40c.**

DOUBLE GIANT COLUMN

Immense fully double close-spaced flowers, one 2-ft. to 2½-ft. spike per plant. This is a strictly non-branching strain.

972A Mixed Colors. **Pkt., 25c.**

Exquisite Sweet Peas of Unequaled Beauty and Fragrance

Spring-Flowering Sweet Peas

Spring-Flowering Rose-Pink. New class maturing between early-flowering and late-flowering classes. Outdoors it is also free blooming, believed more heat resistant and a little earlier than regular Spencer varieties. Pkt., 10c; ½ oz., 25c; oz., 40c.

Spring-Flowering Blue. Lavender maroon-blue in color. Pkt., 10c; ½ oz., 25c; oz., 40c.

Spring-Flowering Lavender. Clear lavender. Pkt., 10c; ½ oz., 25c; oz., 40c.

LEADING SPENCER VARIETIES

All uniform price except where noted.
Pkt., 10c; ½ oz., 20c; oz., 35c;
¼ lb., \$1.00, postpaid.

Multi-Color Shades

Station Master. Salmon-pink, flushed rosy cerise.

Sunkist. Cream with picotee edge of rose.

Youth. White, edged rose-pink.

Blue Shades

Bluebird. Pure violet-blue.

Capri. Clear silver-blue, long stems, vigorous grower.

Heavenly Blue. Delphinium-blue.

Cream and Primrose Shades

Ruffled Primrose.

Mary Pickford. Dainty cream-pink-salmon.

What Joy. Rich, suffused cream.

Salmon and Orange Shades

Exquisite. Soft coral-salmon.

Prince of Orange. Deep rich orange.

Gold Crest. Orange, overlaid with a salmon sheen.

Crimson-Scarlet Shades

Charity. Rich crimson.

Crimson King. Rich, deep crimson.

Fiery Cross. Scarlet-cerise, slightly suffused orange.

Red Boy. Pure rich crimson, long stems, vigorous.

Rubicund. Dazzling crimson-scarlet, extra long stems.

Lavender and Purple Shades

Ambition. Rosy lavender, extra long stems.

Austin Frederick Improved. A large rosy lavender.

Highlander. Large-flowered clear lavender.

Royal Purple. A rich purple.

Maroon and Chocolate Shades

Leviathan. Rich maroon.

Warrior. Deep chocolate-maroon.

Pink Shades

Bonnie Briar. Large, rose-pink.

Fluffy Ruffles. Light cream-pink.

Miss California. Salmon-pink.

Pinkie. Large, rose-pink.

Simplicity. Rich salmon-pink on cream.

Melody. Golden salmon-pink on cream ground.

White Shades

Gigantic. Large pure white. Long stemmed.

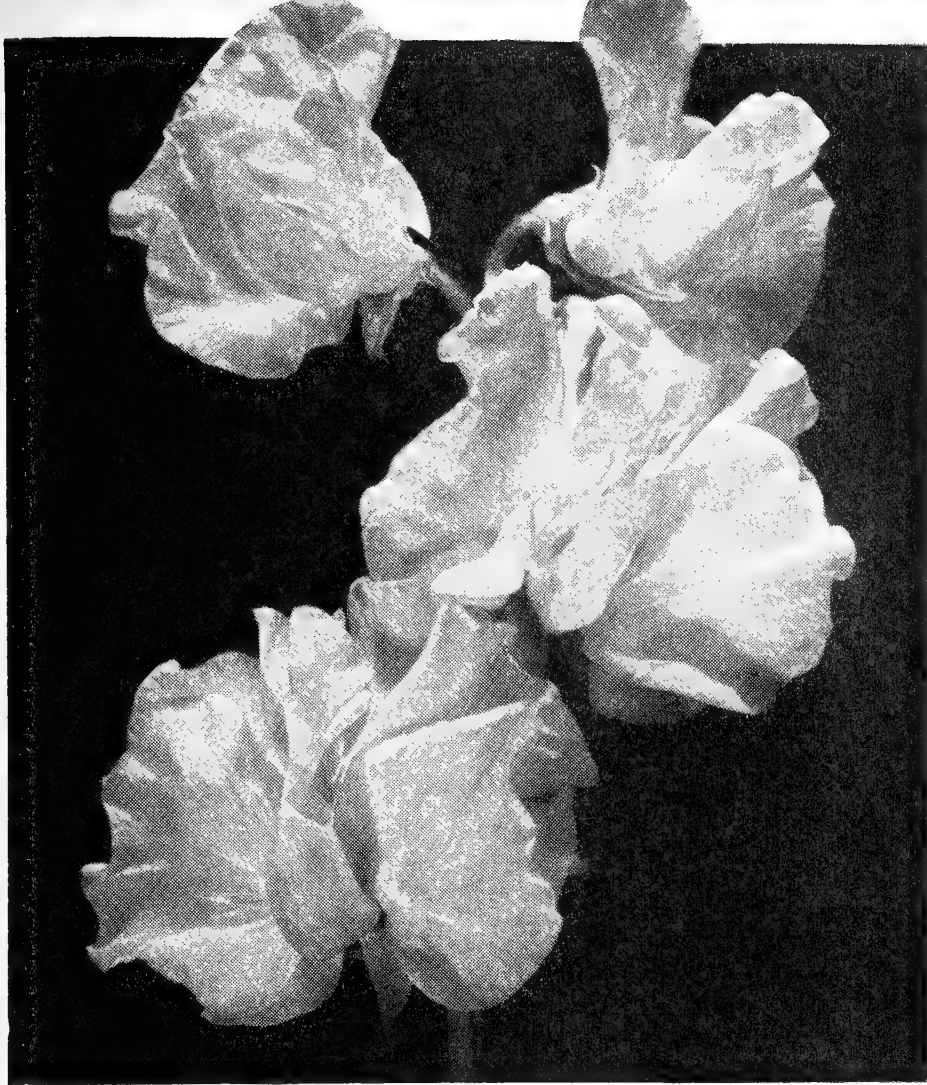
Kames. Black-seeded pure white.

King White. Large pure white. White seeded.

Sextet Queen. Pure white, 5 or 6 flowers on stem. Black seeded.



Spencer Sweet Peas, Prince of Orange



Shirley Temple

Early Flowering SWEET PEAS

American Beauty. Rich crimson-rose on white ground.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Ball's Orange. Rich orange.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Ball's Rose Imp. Rich deep rose, suffused with salmon-pink.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Boy Blue. Large dark blue.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Bridesmaid. Deep silvery pink on white ground.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Giant Rose. Extremely large rose-pink.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Harmony. Beautiful clear lavender.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Jeanne Mamitsch. Bright rich pink.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Laddie Imp. Giant rose-pink, long stemmed.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Memory. Clear rosy lavender, large wavy flowers.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Mrs. Herbert Hoover. Clear deep blue. "California Blue."

Pkt., 10c; ½ oz., 30c; oz., 50c.

Prosperity. Rich salmon-pink on cream.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Shirley Temple. Large, soft pink, frilled. Long stems.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Silver King. Beautiful light silver-blue.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Snow Queen. (New.) Pure white, black seeded, opens and retains pure white color.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Snowstorm Imp. Large pure white white seeded.

Pkt., 10c; ½ oz., 30c; oz., 50c.

Vulcan. The most vivid scarlet. Sun-proof.

Pkt., 10c; ½ oz., 30c; oz., 50c.

NO. 1295

Rainbow Assortment of Our Best Mixed Sweet Peas

SPENCER VARIETIES

The varieties consist of Giant and Orchid-Flowered, both Spencer Unwin types and many other unnamed Spencers.

Pkt., 10c; oz., 30c; ¼ lb., \$1.00; 1b., \$3.00.

NO. 1296

Blue Ribbon Assortment of Choice Mixed Spencer Sweet Peas

Containing the new Orchid-Flowering and Eckford's Large-Flowering Hybrids in great variety with other older types of known popularity.

Pkt., 10c; oz., 25c; ¼ lb., 75c.



Sunflower

(*Helianthus*)

The Sunflower grows well in all soils if fully exposed to the sun. The taller varieties make excellent background to other plants.

975 Cucumerifolius. (Miniature Sunflower.) Small single flower, rich yellow. 4 feet. **Pkt., 10c; ½ oz., 35c.**

976 Sun Gold. (Globe shaped.) Flower large, double, of a brilliant golden yellow. **Pkt., 10c; ½ oz., 35c.**

977 Tall Red Sunflower. The new Red Sunflower is easily grown from seed the same as all of the *Helianthus* family. **Pkt., 10c; ½ oz., 30c.**

980 New Miniature Varieties. Colors of yellow and creamy white. Some are large, some have twisted petals and some black centers. **Pkt., 10c; ½ oz., 25c.**

984 Double Chrysanthemum-Flowered. Flowers larger than the preceding; full and double. Orange-yellow. 5 feet. **Pkt., 10c; ½ oz., 35c.**

986 Russian Mammoth. Very large. 7 to 9 feet. **Oz. pkt., 10c.**

Tagetes

(*Scotch Marigold*)

1312 Signata Pumila, Little Giant. 6 to 8 inches. A bright yellow color. **Pkt., 10c; ⅛ oz., 25c; ¼ oz., 40c.**

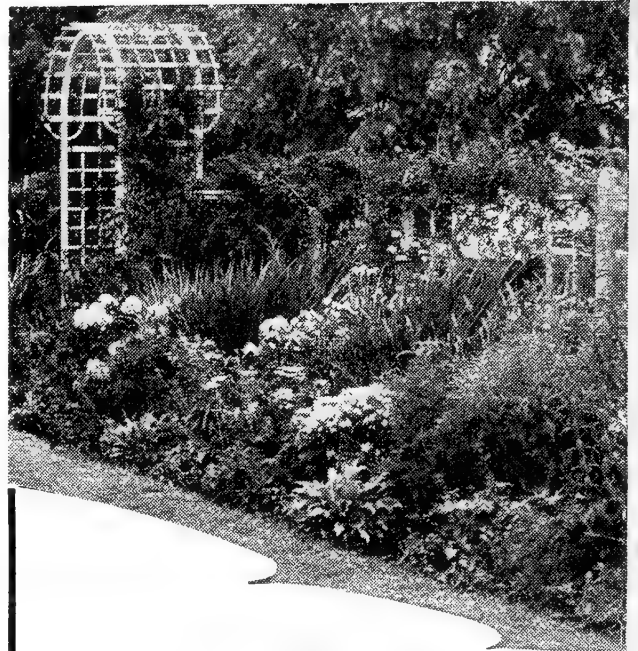
Thunbergia

1315 Mixed. An annual vine, growing about 4 feet high, bearing medium-sized flowers, white, buff or orange, with dark eye. Largely used in hanging baskets or window boxes. **Pkt., 10c; ¼ oz., 35c.**

Of Special Interest to the Kiddies

1386 Wild Flower Garden Mixture. A mixture of many free-blooming annuals which, once sown, require little care. **Pkt., 10c; ½ oz., 20c; oz., 35c; ¼ lb., 80c.**

1387 Old-Fashioned Flower Garden Mixture. This is a mixture of old standard varieties of flower seeds which will give a supply of flowers for cutting throughout the entire season. **Pkt., 10c; ½ oz., 30c; oz., 50c.**



WORCESTER DOLLAR COLLECTION

Annual Chrysanthemum. Mixed colors.

Asters. Worcester mixed.

Balsam. Choice mixed.

Calendula. Choice mixed.

Carnation. Double fine mixed.

Cosmos. Large early flowering.

Helichrysum. Mixed colors.

Nasturtium. Dwarf mixed.

Pansy. Worcester mixed.

Phlox. Finest mixed.

Portulaca. Single mixed.

Salpiglossis. Mixed colors.

Scabiosa. Mixed.

Sweet Alyssum. Little Dorrit.

Verbena. Mixed colors.

**15 Packets
of Lovely
Annuals
Anyone Can
Grow**

**For \$1
Only
Postpaid**



Verbenas

Verbena

Favorite annuals, thriving in nearly all soils. Useful for beds, borders, carpeting ground and vases.

1319 Mammoth Golden Queen. Clear golden yellow. **Cannot supply.**

1320 Mixed Colors. A good strain, all colors of old type. **Pkt., 10c; ⅛ oz., 30c; ¼ oz., 50c.**

1321 Mammoth Mixed Colors. Best large flowering sorts of many colors. **Pkt., 10c; ⅛ oz., 30c; ¼ oz., 50c.**

1322 Scarlet Defiance. Large trusses of deep, rich scarlet. **Pkt., 10c; ⅛ oz., 35c.**

1323 Mammoth White. Truss and flowers large, fragrant. **Pkt., 10c; ⅛ oz., 35c.**

1324 Royal Bouquet. Finest mixed. Upright, large flowers, auricula-eyed, especially good for pot culture. **Cannot supply.**

1325 Mammoth Mayflower. Beautiful pink. **Pkt., 10c.**

1326 Crimson Glow. Rich glowing crimson. The plants are semi-compact in habit with foliage of small type. **Pkt., 15c.**

1327 Fireball (Nana Compacta). A dwarf compact Verbena, growing about 6 inches high and covered with bright scarlet blooms. **Cannot supply.**

1328 HYBRID COMPACTA TYPE (Edging Verbena)

They are excellent for the annual rock garden in a sunny position, for borders or edgings, or for window boxes or pots. Mixed colors. **Pkt., 10c; ⅛ oz., 40c.**

Wild Cucumber Vine

1346 Wild Cucumber (Echinocystis lobata). One of the most rapid growing climbers with white, fragrant flowers. Seed may be sown either in the fall or spring. **Pkt., 10c; ½ oz., 20c; oz., 35c.**

ROSS' ZINNIAS

Most Useful of Flowers

The most gorgeous annuals with a wonderful range of color, flowers of velvety texture, extremely double, with long stems and good keeping qualities.

1350 Mixed Colors. Improved strain, all colors, large flowers. 2 feet.

Pkt., 10c; $\frac{1}{4}$ oz., 25c; oz., 75c.

1350A Linearis. Dwarf early flowering. The single flowers are deep golden orange, with a delicate light yellow stripe which contrasts boldly with the dark center; plants 8 to 10 inches high with a spread of as much as 2 feet.

Pkt., 15c; $\frac{1}{8}$ oz., 40c.

Mammoth-Flowered Zinnia

The plants grow from 2½ to 3 feet high and are covered with myriads of densely double flowers, from 4 to 6 inches in diameter.

1351 Mammoth Crimson Queen.

1352 Mammoth Purity White.

1353 Mammoth Scarlet Queen

1354 Mammoth Golden Queen

1355 Burnt Orange

1356 Deep Salmon-Rose

Each, pkt., 10c; $\frac{1}{4}$ oz., 35c.

1358 Mammoth. Mixed colors.

Pkt., 10c; $\frac{1}{4}$ oz., 30c; oz., \$1.00.

Pumila Dwarf Double

(Cut-and-Come-Again)

Bushy plants about 1½ ft. tall. Flowers average about 2½ inches across, well rounded, freely produced on long stems. Ideal for cutting.

1360 Finest Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

Lilliput

(Pompon or Baby Zinnias)

The Lilliputs are fast supplanting all other types of Zinnias for cut flower use. Flowers are small, compact, symmetrical, on strong stems.

1362 Pastel Mixture. Pkt., 10c; $\frac{1}{4}$ oz., 30c.

1363 Finest Mixed. Pkt., 10c; $\frac{1}{4}$ oz., 25c.

1364 Fantasy Mixed. Double rounded flowers composed of a mass of shaggy raylike petals. The color range includes the brightest shades of red and orange, as well as the popular pastel pinks and cream.

Pkt., 10c; $\frac{1}{4}$ oz., 30c.

1365 Scabious Flowered Mixture. Plants 2 to 2½ feet, bearing numerous medium sized flowers resembling the annual Scabiosa.

Pkt., 10c; $\frac{1}{4}$ oz., 30c.

Super Crown O' Gold

1366 Pastel Tints. Flowers are large and showy, 5 to 5½ inches in diameter. Strictly a mixture of pastel tints. The plants are strong and robust, growing about 3 feet tall.

Pkt., 10c; $\frac{1}{4}$ oz., 35c.

Zinnia,

New Giant Dahlia-Flowered

The plants are of medium height, 2½ to 3 feet tall, very robust, bearing many strong stems of the fully double, huge flowers which resemble the show type of Dahlia.

1367 Will Rogers. Brilliant scarlet-red.

1368 Crimson Monarch. Deep crimson.

1370 Dream. Deep rosy lavender.

1372 Exquisite. Color light rose, center a deep rose (Tyrian rose).

1374 Oriole. Immense orange and gold bicolor, changing slightly as it ages.

1376 Old Rose. Real old rose; large, beautiful.

1378 Polar Bear. Large, pure white, the best in Zinnias. True Dahlia form.

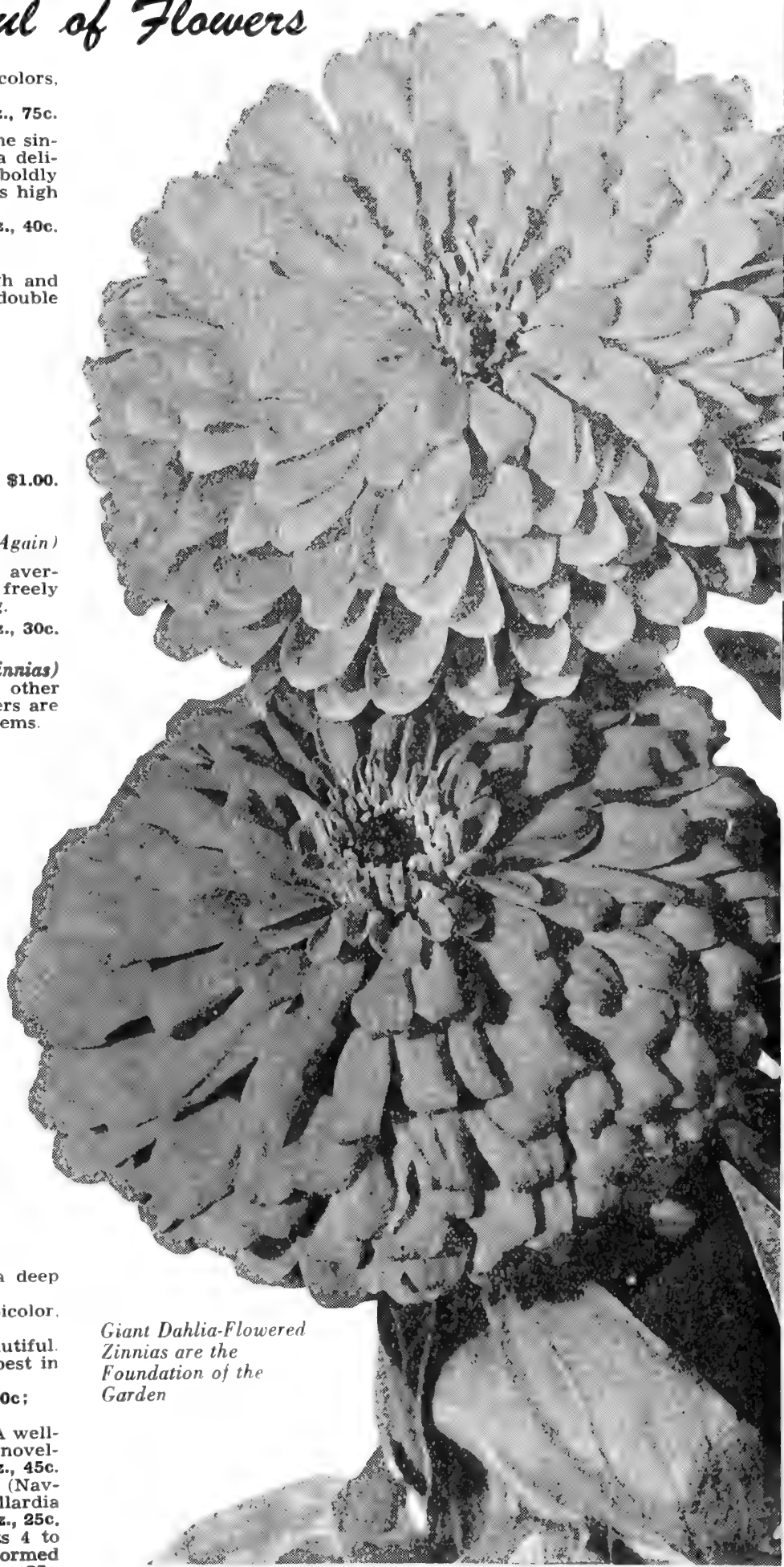
Each of the above: Pkt., 15c; $\frac{1}{8}$ oz., 30c;
 $\frac{1}{4}$ oz., 45c.

1380 Special Mixture Gold Medal Strain. A well-blended mixture containing all the above novelties.

Pkt., 15c; $\frac{1}{8}$ oz., 25c; $\frac{1}{4}$ oz., 45c.

1381 Gaillardia Flowered. Finest mixed. (Navajo.) Flowers resemble a Picta Double Gaillardia in both form and colorings. Pkt., 10c; $\frac{1}{8}$ oz., 25c.

1382 Lilliput Tom Thumb. Mixed. Plants 4 to 6 inches, compact, covered with well-formed flowers of the Lilliput type. Pkt., 10c; $\frac{1}{8}$ oz., 35c.



Giant Dahlia-Flowered Zinnias are the Foundation of the Garden



"Flowers Have Been Called the Smiles of God"

HARDY PERENNIALS

That Endure for Years

Achillea

135 Ptarmica (The Pearl). Bears clusters of pure white flowers abundantly all summer; fine for cutting; also for cemetery planting. 12 to 18 inches.

Pkt., 10c; 1/16 oz., 35c.

Aconitum

136 Napellus (Monkshood). Large, porcelain-blue hood-shaped flowers; very effective in borders; valuable for cutting. 1½ feet high.

Pkt., 10c.

Adlumia

140 Cirrhosa (Mountain Fringe; Allegheny Vine). A beautiful, hardy, climbing biennial. The feathery foliage resembles that of the Maidenhair Fern. Rapid growth. Small, tube-shaped pink blossoms. Desirable for covering trellises, stumps, etc. 10 to 15 feet. **Cannot supply.**

Adonis

145 Vernalis (Ox-Eye). Hardy perennial, blooming early in spring. Flowers large, yellow. 18 inches. May and June. **Cannot supply.**

Agrostemma

Pretty, free-blooming plants of easy culture, especially desirable for dry situations. Excellent for cutting.

161 Coronaria (Rose Campion). One of the earliest hardy perennials. 1½ feet.

Pkt., 10c; ¼ oz., 35c.

Alyssum

(Gold Dust)

170 Saxatile Compactum. Hardy, compact growth, producing a mass of golden yellow flowers in April. Height 1 foot. Of easy culture. Excellent for rockeries and borders.

Pkt., 10c; ½ oz., 25c.

Ampelopsis

182 Veitchi (Boston Ivy)

Pkt., 10c; ½ oz., 35c.

Anchusa

186 Dropmore Variety. This variety yields an abundance of brilliant blue flowers. 4 feet. June and July.

Pkt., 10c; ¼ oz., 30c.

Anemone

A very popular, hardy garden perennial.

188 Coronaria, French (De Caen). Fine mixed. 1 foot.

Pkt., 10c.

189 Coronaria, St. Brigid. An improved strain, bearing larger and more brilliant flowers and remaining in bloom longer. 1 foot.

Pkt., 10c.

Anthemis

(Hardy Golden Marguerite)

A beautiful, hardy perennial; golden yellow, Daisy-like flowers, excellent for cutting. Height 2 feet.

190 Kelwayi. **Pkt., 10c; ⅓ oz., 25c; ¼ oz., 40c.**

Aquilegia

(Columbine)

Beautiful free flowering hardy perennials, blooming throughout the spring and early summer. Of easy cultivation and will thrive in partial shade. 1 to 3 feet.

200 Single Mixed.

Pkt., 10c; ⅓ oz., 35c.

202 Double Mixed.

Pkt., 10c; ⅓ oz., 35c.

204 Coerulea Hybrida Fl.-Pl. Long spurred, flowering hybrids in fine colors.

Pkt., 10c; ⅓ oz., 50c.

Arabis

(Rock Cress)

209 Alpina. Charming low-growing, very early spring-flowering plant. Splendid for edging or for the rockery. Pure white flowers. 5 inches. April, May.

Pkt., 10c; ⅓ oz., 40c.

Aristolochia

215 Elegans (Dutchman's Pipe). A hardy perennial vine of rapid growth with large, glossy heart-shaped leaves, bearing curious yellowish brown blossoms, somewhat resembling a pipe. 15 to 20 feet. **Sold out.**

Armeria

215A Alpina (Thrift). Very free flowering, dwarf variety, with medium sized flower heads of bright rose. They combine very nicely with Forget-me-nots in the rockery or dwarf border. 3 inches.

Cannot supply.

Aubrietia

(Rainbow Rock Cress)

220 Large Flowered Hybrids. Dwarf free flowering plants with masses of blue and rose shade flowers in early spring. 6 to 8 inches.

Pkt., 25c.

Bellis Perennis

(Double Daisy)

A perennial plant, bearing in early spring small double white or rose-colored flowers. It is generally classed as hardy, but really needs a slight protection through the winter. 4 inches.

246 Longfellow. Dark rose. **Sold out.**

247 Snowball. Pure white.

Pkt., 10c.

247A Red Quilled.

Pkt., 10c.

248 Monstrosa Double Mixed. Each plant produces 12 to 15 flowers that measure 2 to 3 inches across, carried on long, strong stems.

Pkt., 10c; 1/16 oz., 60c.

248A Bellis Beata, Red. A new Daisy that grows 8 inches high. Flowers measure from 2 to 3 inches across on long strong stems.

Cannot supply.

248B Bellis Beata. Finest mixed.

Cannot supply.

Canterbury Bells

(Campanula Medium)

Showy hardy biennials about 3 feet high, covered with large bell-shaped flowers. The Calycanthema (Cup-and-Saucer) class is so named because of the broadening of the calyx into a saucer-shaped secondary flower.

267 Prize Mixture. A superb mixture of all classes, single, double, and Cup-and-Saucer.

Pkt., 10c; 1/8 oz., 25c.

268 Single Mixed Colors.

Pkt., 10c; 1/8 oz., 25c.

269 Double Mixed Colors.

Pkt., 10c; 1/8 oz., 35c.

270 Calycanthema. Rose-pink.

Pkt., 10c; 1/8 oz., 40c.

272 Calycanthema (Cup-and-Saucer). **Mixed colors.**

Pkt., 10c; 1/8 oz., 40c.

273 Calycanthema. Dark blue.

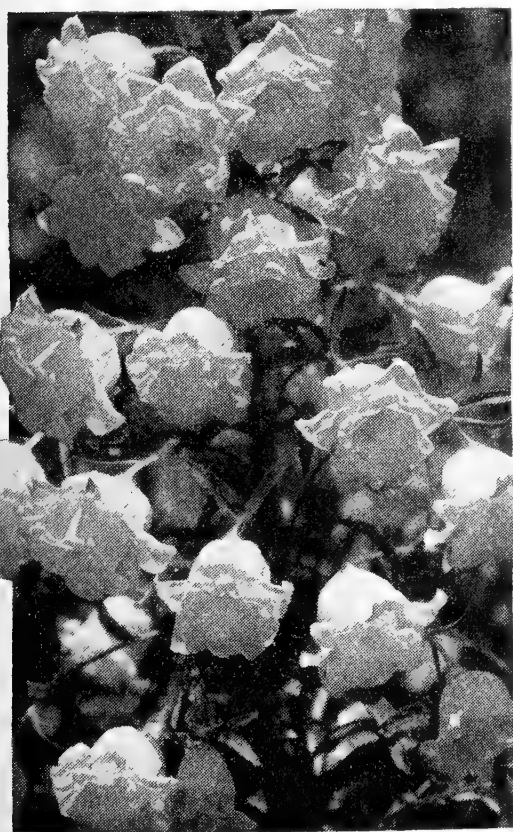
Pkt., 10c; 1/8 oz., 40c.

274 Calycanthema. White.

Pkt., 10c; 1/8 oz., 40c.

274B Carpatica (Harebell). Dainty light violet-blue bells opening upward.

Pkt., 10c; 1/8 oz., 60c.



Canterbury Bells

Carnation

(Hardy)

288 Chabaud's Giant Double Mixed. Flowers large, a high percentage double. Deliciously fragrant and greatly varied in coloring.

Pkt., 10c;
1/8 oz., 50c.

290 Dwarf Vienna. Blooms early the second summer from seed. The hardiest sort, said to stand the winter with a slight protection. Flowers large, double, fragrant and of varied colors. Pkt., 17c;
1/4 oz., \$1.00.

292 Grenadin, Finest Mixed. Early, free flowering, medium large, upright growing, long slender stemmed hardy Carnation. Foliage is grassy, of the Dianthus type. Does not bloom until the second year.

Pkt., 25c.

COLUMBINE. See Aquilegia.

Centaurea

328 Montana, Blue. (Perennial Cornflower.) Large violet-blue flowers, 2 feet.

Pkt., 10c; 1/8 oz., 30c.



Bellis Perennis

Cheiranthus

334 Allioni (Siberian Wallflower). Brilliant orange. 1 foot.

Pkt., 10c; 1/8 oz., 25c.

335 Allioni, Golden Bedder. Golden yellow.

Pkt., 10c; 1/8 oz., 25c.

Clematis

340 Paniculata. One of the finest hardy perennial climbers. Of robust habit and covered from the ground to the summit with pure white, fragrant flowers. The flowers are followed by pretty seed pods of bronzy red. 12 feet. Cannot supply.

Coreopsis

For Annual Varieties, see Calliopsis.

358 Lanceolata Grandiflora. The flowers are a rich golden yellow, often 3 inches in diameter, borne on fine, long stems; desirable for cutting.

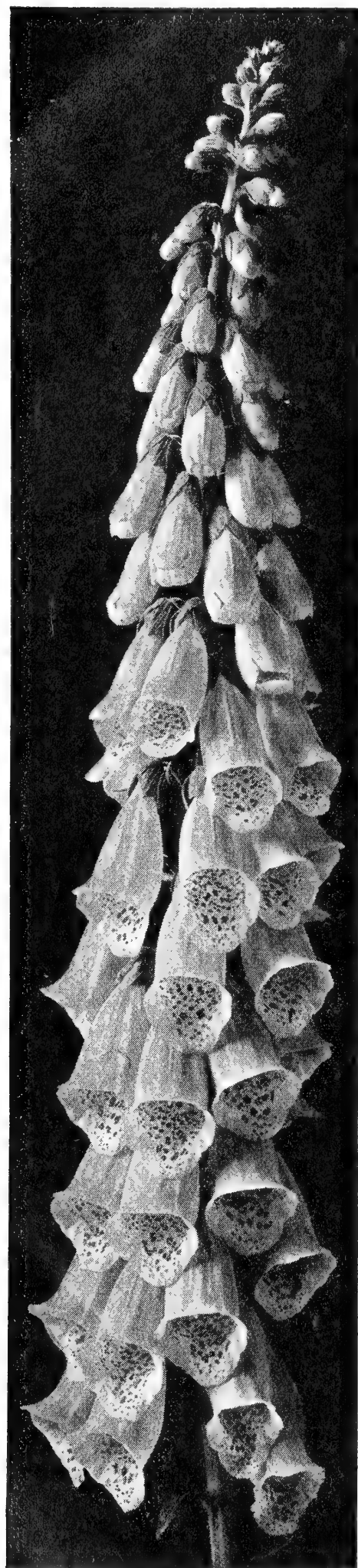
Pkt., 10c; 1/4 oz., 30c; 1/2 oz., 50c.

358A Double Sunburst. Large, golden yellow fully double flowers.

Pkt., 10c; 1/4 oz., 35c; 1/2 oz., 60c.



Armeria



Digitalis, The Shirley

Dahlia

One of our best autumnal flowering plants. Blooms until killed by frost; tuberous rooted, half-hardy perennials; blooming the first year from seed, if sown early. Protect the roots during winter in a dry cellar in peat moss or sand.

371 Unwin's Dwarf Giant-Flowered. Early flowering semi-double strain of Dahlias, producing gorgeous blossoms of almost every color combination from midsummer until late autumn.

Pkt., 10c; $\frac{1}{8}$ oz., 50c.

372 Special Mixture of Giant-Flowered Single Varieties. Comprises seed from noted English and Holland growers.

Pkt., 10c; $\frac{1}{8}$ oz., 35c; $\frac{1}{4}$ oz., 60c.

373 Double Large-Flowered. Mixed colors. Saved from the finest show varieties.

Pkt., 10c; $\frac{1}{8}$ oz., 50c; $\frac{1}{4}$ oz., 90c.

DAHLIA BULBS. See page 59.

Daisy

378 Shasta Daisy. Large, pure white flowers blooming in great abundance all summer. 1 to 2 feet.

Pkt., 10c; $\frac{1}{16}$ oz., 25c; $\frac{1}{8}$ oz., 40c.

Michaelmas Daisies (Perennial Single Aster). Beautiful and showy, hardy perennials easily grown from seed, blooming profusely in the autumn months, and the first season if seed is sown early.

381 Mixed Colors. Cannot supply.

For other flowers known as Daisies, see Anthemis, Brachycome and Chrysanthemums.

Delphiniums

393 Gold Medal Strain. Seeds taken from the Gold Medal strain. Double and single, and includes light blue, intense deep blue and many lighter shades. 6 to 8 feet.

Pkt., 25c; $\frac{1}{8}$ oz., 60c.

394 Pacific Giants Mixed. (Vetterli & Reinelt.) Flowers extremely large and well formed, $2\frac{1}{2}$ to $3\frac{1}{2}$ inches in diameter, practically 100 per cent double. This strain is comparatively mildew resistant.

Pkt., 50c.

395 Belladonna Hybrids Mixed.

Pkt., 10c; $\frac{1}{8}$ oz., 60c.

396 Wrexham Hollyhock Strain. This strain is a fine mixture of light and dark shades. The flowers are large, truly double, well placed on long spikes. 6 feet.

Pkt., 15c; $\frac{1}{8}$ oz., 75c.

397 Chinensis Alba. Pure white. 2 to 3 feet tall.

Pkt., 10c; $\frac{1}{8}$ oz., 30c.

397A Nudicaule. Scarlet. 2 feet.

Pkt., 10c.

Clove or Grass Pinks

(*Dianthus Plumarius*)

Improved forms of the old well known Clove Pink. They grow anywhere and bloom very profusely. Very useful for the hardy border.

416 Single (Pheasant's Eye Pink). Mixed colors.

Pkt., 10c; $\frac{1}{8}$ oz., 25c.

417 Double and Semi-Double. Mixed colors.

Pkt., 10c; $\frac{1}{8}$ oz., 25c.

418 Florist's Perpetual Pink (*D. semperflorens*). Double and semi-double; large flowers; very fragrant and many colors. Blooms nearly all summer and if sown in March will generally bloom the first season.

Pkt., 10c; $\frac{1}{8}$ oz., 30c.

Dianthus

419A Loveliness. Shaggy appearing finely fringed flowers of delicate rosy lilac, highly sweet scented, and measure from $1\frac{1}{2}$ to 2 inches across. 12 to 15 inches high.

Pkt., 25c.

Dielytra

421 Spectabilis (Bleeding Heart). The flowers are heart shape, varying from light pink to rosy crimson. Leaves are light transparent green. Blossoms in April and May.

Pkt., 25c.

Digitalis

(Foxglove)

Favorite hardy plants bearing in June and July tall flower spikes. Of easy culture. Hardy biennial or perennial. $2\frac{1}{2}$ to 3 feet.

424 Monstrosa. Mixed colors. Monstrous flowers. Attractive.

Pkt., 10c.

430 Gloxiniaeflora, The Shirley. Giant hybrids, spotted throats.

Pkt., 10c.

431 Gloxiniaeflora. Finest spotted varieties. Mixed.

Pkt., 10c; $\frac{1}{8}$ oz., 20c.



Pacific Hybrid Delphiniums

Forget-Me-Not

(*Myosotis*)

Favorite half-hardy perennials, mostly treated as annuals; nearly all blooming the first season from seed sown early in the open ground.

- 454 **Alpestris, Royal Blue.** Rich indigo-blue. Pkt., 10c; $\frac{1}{8}$ oz., 40c.
455 **Alpestris, Blue Basket.** The deepest blue of all Forget-me-nots. Plants grow upright and splendid for borders or cutting. **Sold out.**
457 **Palustris** (True Forget-me-not). Dark blue; blooms the first season. **Sold out.**
459 **Palustris Semperflorens.** Blue. Blooms in 8 to 10 weeks from sowing. Pkt., 10c; $\frac{1}{8}$ oz., 35c.
460 **Dissitiflora, Perfection.** Large flowered, blue. **Sold out.**
461 **Victoria.** The flowers are large, bright azure-blue, with yellow centers. Best for edging. Pkt., 10c.
462 **Victoria Rosea.** Rose, dwarf large-flowered. Pkt., 10c.
463 **Victoria, Indigo-Blue.** Pkt., 10c; $\frac{1}{8}$ oz., 60c.
464 **Victoria, White.** Cannot supply.

Gaillardia

(*Blanket Flower*)

Flowers large, with rich shades of scarlet, orange and crimson, the three often combined in one flower. If sown early, will bloom in the first season. $1\frac{1}{2}$ to 2 feet.

- 478 **Grandiflora, Large Flowered Choice Mixed.** A splendid mixture; comprises all the colorings known. Pkt., 10c; $\frac{1}{8}$ oz., 25c.
478A **Burgundy.** Coppery scarlet flowers $2\frac{1}{2}$ inches in diameter. If started early indoors flowers may be produced the first season from seed. Pkt., 10c; $\frac{1}{8}$ oz., 40c.

Geum

Free flowering, producing a wealth of attractive flowers much prized for cutting. Excellent for borders.

- 486 **Lady Stratheden.** Flowers loosely double; a delightful shade of golden yellow. Pkt., 10c; $\frac{1}{8}$ oz., 50c.
487 **Mrs. Bradshaw.** The double orange-scarlet flowers are very large and full. 2 feet. Pkt., 10c; $\frac{1}{8}$ oz., 40c.

Gypsophila

(*Baby's Breath*)

Flowers very small, borne in loose graceful panicles. Used in bouquets with other cut flowers. 2 feet.

- 502 **Pacifica.** Rose, blooms when *Paniculata* varieties have passed. Excellent for cutting. Pkt., 10c; $\frac{1}{16}$ oz., 50c.
504 **Paniculata Flore Pleno.** A fine, new double of the purest white, the flowers forming miniature balls of white petals. Pkt., 10c; $\frac{1}{16}$ oz., 50c.
506 **Paniculata.** White. The variety more generally known as *Baby's Breath*. Hardy perennial. Pkt., 10c; $\frac{1}{4}$ oz., 25c; $\frac{1}{2}$ oz., 40c.

Helenium

A very valuable hardy perennial, bearing in profusion in August and September, long-stemmed, single flowers; fine for cutting.

- 510 **Autumnale Superbum.** Deep golden yellow. 4 feet. Pkt., 15c.
511 **Riverton Beauty.** Lemon-yellow with a purplish black cone. **Cannot supply.**
512 **Riverton Gem.** Orange blooms, tinged with maroon. **Cannot supply.**

Heliopsis

- 516 **Lemoine Strain.** Double and semi-double golden yellow flowers; blooms first year. Pkt., 10c.



Gypsophila



Double Hollyhocks

Heuchera

- 525 **Sanguinea.** A fine, hardy perennial, bearing in graceful spikes, rich crimson flowers. Useful for cutting. 1 foot. Pkt., 25c.

Hibiscus

(*Mallow Marvel*)

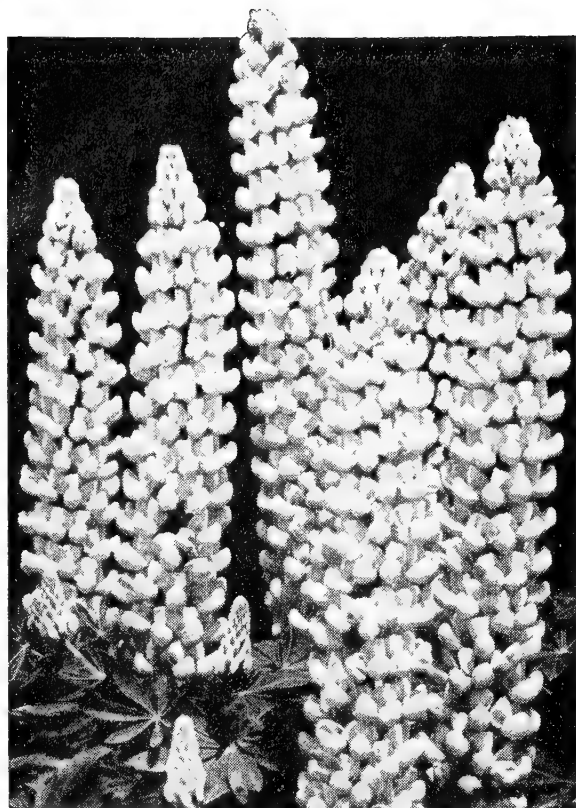
Vigorous growing plants, producing large, handsome flowers, often 6 inches across. Very desirable for mixed beds or borders.

- 526 **Giant Flowered.** Finest mixed. Hardy perennial. 4 feet. Pkt., 10c; $\frac{1}{8}$ oz., 35c.

Hollyhock

Flowers about 3 inches across set as rosettes around strong growing stalks. Seeds sown in May or June make fine blooming plants the following season.

- 530 **Chater's Finest Mixed.** Choicest double varieties, a large percentage of the flowers coming double. Pkt., 10c; $\frac{1}{8}$ oz., 40c; $\frac{1}{4}$ oz., 75c.
531 **Double.** Mixed colors. Pkt., 10c; $\frac{1}{8}$ oz., 40c.
532 **Allegheny.** Large, semi-double flowers, beautifully fringed, of silky texture and richly colored. Pkt., 10c; $\frac{1}{8}$ oz., 25c.
534A **Double Imperator.** Large fringed rosette flowers in charming color combination. Pkt., 10c; $\frac{1}{8}$ oz., 40c.
Chater's Double. 535 Maroon. 535A Newport Pink. 536 Snow-White. 536A Yellow. Pkt., 10c; $\frac{1}{8}$ oz., 40c.



Russell Lupins

Lychnis

Perennial plants of easy culture, blooming the first season if sown early.

595 Chalcedonica (Burning Star). Bright scarlet flowers shaped like a Maltese Cross. Of fine color and thrifty growth; very effective in the perennial border. 2 feet. **Pkt., 10c; 1/8 oz., 25c.**

Mimulus

Bushy plants 1 foot high. Flowers various shades of yellow, spotted and marked crimson.

630 Tigrinus (Monkey Flower). Handsome flowers with white, sulphur or yellow ground spotted with crimson, scarlet or pink. **Pkt., 10c.**

631 Moschatus (Musk Plant). Small yellow flowers, musk-scented foliage, of trailing habit; excellent for hanging baskets. **Pkt., 10c.**

Nepeta

757A Mussini. A favorite perennial rock plant with blue-gray foliage and blue flowers. 9 inches. **Pkt., 10c; 1/8 oz., 35c.**

Phlox

The seed we offer has been saved from the best varieties and is supplied in mixture only.

847 Choicest Mixed.

Pkt., 10c; 1/8 oz., 60c.

Physalis

(Chinese Lantern Plant)

850 Francheti. Bright orange, scarlet lantern-like fruits which are gathered in the fall and dried. Very attractive for winter bouquets. If seed is sown early will bloom the first year. **Cannot supply.**

Iberis

542 Queen of Italy. Dwarf, bushy habit. Pink flowers.

Pkt., 10c; 1/8 oz., 30c; 1/4 oz., 90c.

543 Sempervirens (Perennial Candytuft). A desirable hardy perennial of easiest culture. Dwarf spreading habit; suitable for rockeries. Flowers pure white. **Pkt., 10c.**

544 Gibraltarica. Lilac shading off to white; large flowers. Early. **Pkt., 10c; 1/8 oz., 35c.**

We deliver free in the United States all Bulbs, Vegetable and Flower Seeds, at prices listed in this catalog. See inside front cover. Prices subject to change.

Kudzu Vine

(*Pueraria*)

560 Thunbergiana (Jack-and-the-Beanstalk-Vine). A vine of wonderfully rapid growth, when well established, growing to the great height of 40 to 50 feet. Leaves are of enormous size. Hardy perennial. **Cannot supply.**

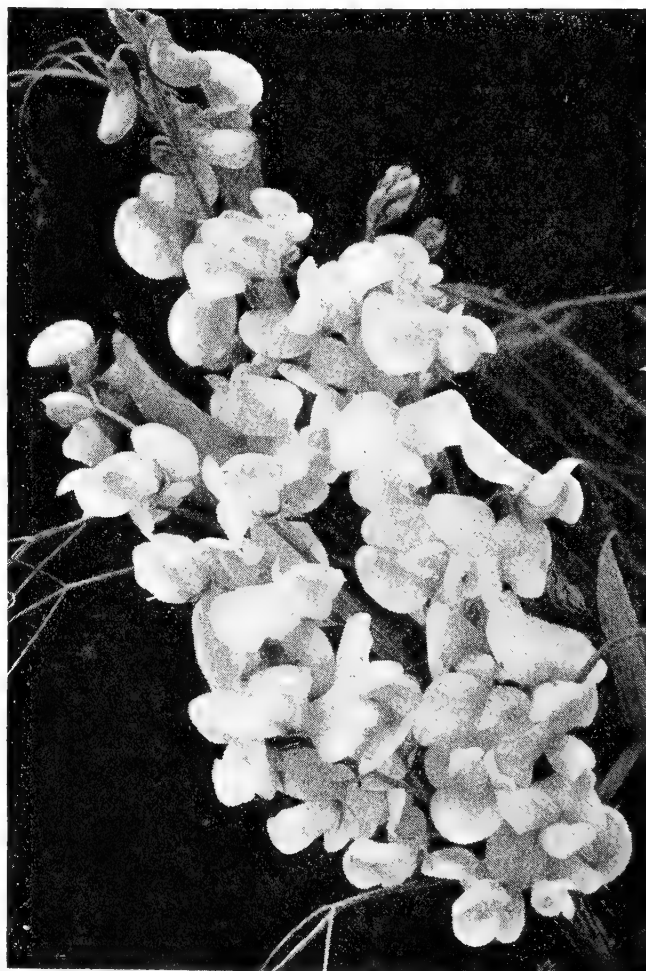
Lathyrus Latifolius

(*Everlasting Sweet Pea*)

An easily grown, hardy perennial climber, bearing freely flowers somewhat similar in form to the Sweet Pea. If grown in moist soil, will bloom nearly all summer. Colors: reddish purple, rose and white. 6 to 8 ft.

570 Mixed Colors.

Pkt., 10c; 1/4 oz., 50c.



Lathyrus Latifolius

Lavender

(*Lavandula Vera*)

575 Vera. A well-known hardy perennial grown chiefly for its lasting fragrance. **Pkt., 10c.**

Linum

582 Flavum. Yellow. Excellent early flowering rock garden plant. **Pkt., 10c; 1/8 oz., 40c.**

Lobelia

Handsome border plants, thriving in any ordinary garden soil, but preferring a moist, deep loam.

588 Cardinal Flower (Cardinalis). Intense scarlet. 3 feet. **Pkt., 10c; 1/16 oz., 60c; 1/8 oz., \$1.00.**

Lupin

590A Polyphyllus. Blue. **Pkt., 10c; 1/4 oz., 25c; 1/2 oz., 40c.**

591 Polyphyllus. Finest Mixed. Hardy plants of easy culture; useful as a background in the perennial border. Mixed blue and white. 2 to 4 feet. **Pkt., 10c; 1/4 oz., 35c.**

592 "Russell." Grown from originator's stock seed. A fine collection. **Pkt., 15c; 1/4 oz., 40c.**

Exhibition PANSIES

*Bloom Abundantly from Early Spring
to Severe Frost*

**A Lovely, Velvety Assortment of Colors
that Endures All Climates**

The Pansy produces best results during the cool days of spring, and in a sandy loam, thoroughly prepared and supplied with well-rotted manure. To assist germination by retaining moisture, cover the seed bed with sheeting or single burlap, removing as soon as seedlings begin to appear. From this time on it is important never to let the soil become dry; to do so is fatal. Keep moist but not soaking wet. For early spring flowers, sow seed in August and protect during the winter.

770 Giant Coronation Gold. Canary-yellow, lower petals flushed golden orange; slightly ruffled. **Pkt., 25c.**

771 Swiss Giant. Giant mixed. The flowers are of immense size, borne on long stems, and the colors are unusual, mostly large blotched. **Pkt., 25c.**

774 Dwarf Swiss Giant. Plants are more dwarf and compact with the same immense flowers and unusual colors. **Pkt., 25c.**

776 Super Maple-Leaf Giant Mixed. Compact habit, with large attractive foliage and very large blooms. **Pkt., 25c.**

778 Masterpiece. (Ruffled Pansies.) A strain having ruffled and curled petals, giving the flowers the appearance of being double. Colors rich and striking. **Pkt., 20c; 1/8 oz., 75c.**

779 Worcester Giant Mixed. Our own selections of choice large-flowered strains and varieties, including a proportion of all the preceding strains, the named separate sorts, and several choice strains of different growers. **Pkt., 10c; 1/8 oz., 75c.**

782 Trimardeau Large Flowered Mixed. The range of coloring is excellent, and the mixture will be found very satisfactory. **Pkt., 10c; 1/8 oz., 75c.**

783 English Prize Mixed. Includes many with facelike markings of various shades. **Pkt., 20c; 1/8 oz., 75c.**

785 Choice Mixed. A mixture of many varieties. **Pkt., 10c; 1/8 oz., 75c.**

786 Giant Adonis. Splendid light blue, with white center and dark blotches. **Cannot supply.**

788 Giant Cardinal. Brilliant red. **Pkt., 20c; 1/8 oz., 75c.**

792 Golden Queen. Pure yellow. **Pkt., 25c; 1/8 oz., 75c.**

794 Indigo Blue. New rich shade. **Cannot supply.**

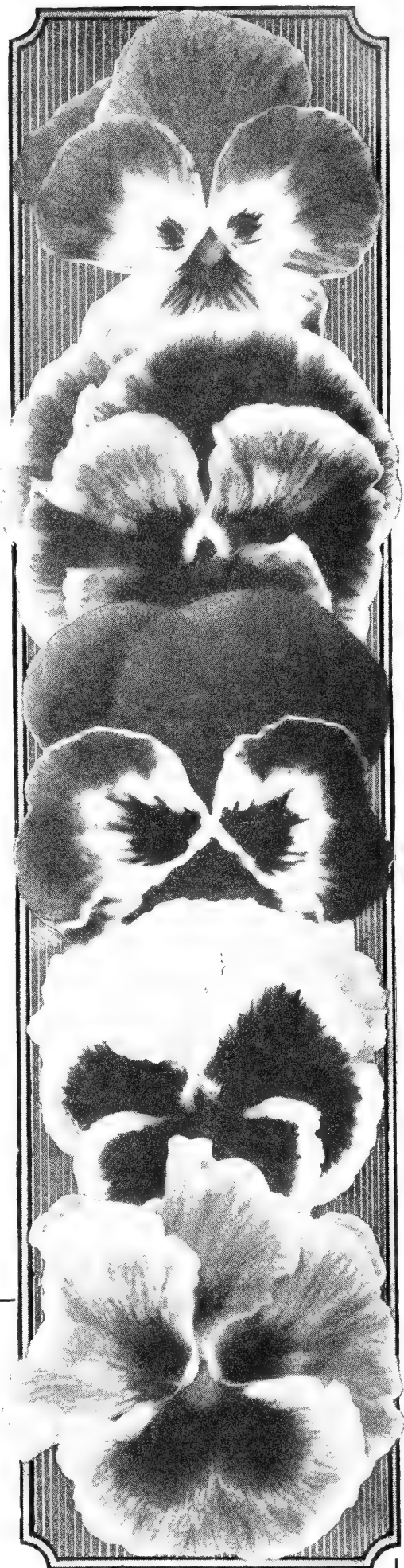
796 King of the Blacks. **Cannot supply.**

800 Lord Beaconsfield. Violet, shading to white at the top. **Pkt., 20c; 1/8 oz., 75c.**

804 Peacock. Rich blue and purple, edged with white; very striking. **Cannot supply.**

808 Snow White (Candidissima). **Pkt., 20c; 1/8 oz., 75c.**

811 Yellow. With large, black eye. **Cannot supply.**



Ross' Giant Pansies

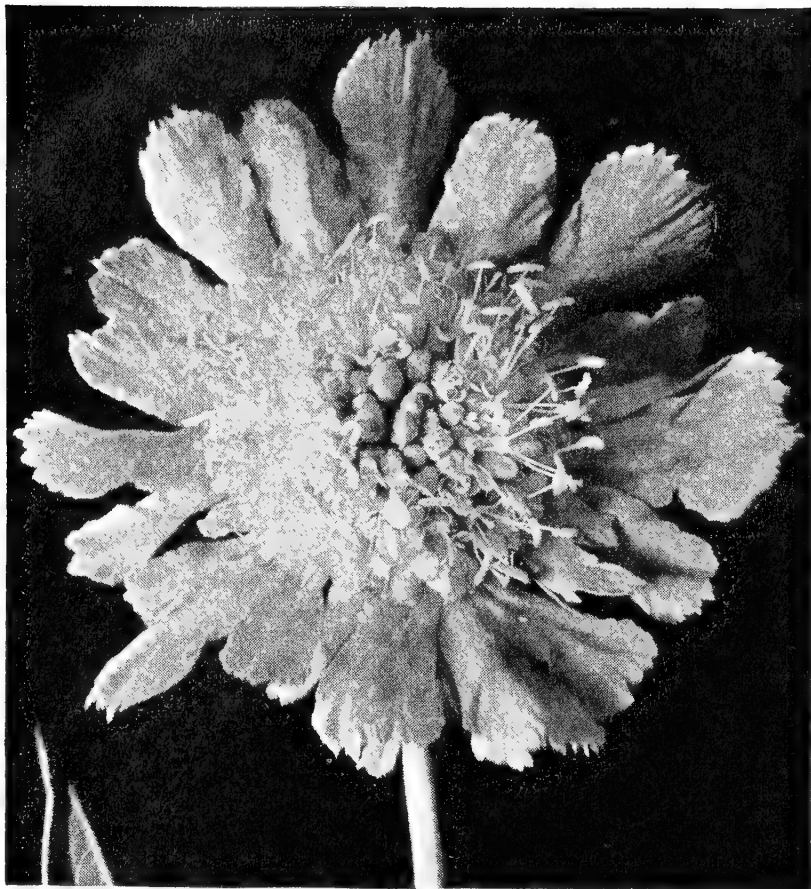
**Outstanding in Color, Size and
Freedom of Bloom**

They are of enormous size with long stems and healthy foliage. The color combinations are new and very rare, including shades never before seen in Pansies: browns, salmons, pinks, reds, and wine colors. We do not hesitate to recommend this strain to the most critical grower.

Why buy ordinary seed when **Ross' Selected Giants cost no more?** One ounce of seed will produce as many as 20,000 plants. **Try Ross' Selected Giant Seed this year for best results.**

PRICE LIST OF ASSORTED COLORS:

780—Pkt., 50c; 1/16 oz., \$1.00; 1/8 oz., \$1.75; 1/4 oz., \$3.25; 1 oz., \$12.00; 1/4 lb., \$44.00; 1 lb., \$160.00. These prices include free delivery in U. S. A.



New Giant Scabiosa Caucasica

Platycodon

(Chinese Bellflower)

855 **Grandiflorum**. Blooms from July to September. The flowers are large, steel-blue. 2 to 2½ ft. **Pkt., 10c.**

Polemonium

(Jacob's Ladder)

857 **Coeruleum**. Large heads of showy blue flowers from May to August. 2 feet. **Pkt., 10c.**

Hardy Perennial Poppies

890 **Iceland Poppies**. White and shades of yellow and orange. Mixed. **Pkt., 10c; ⅛ oz., 40c.**

Oriental Poppies. Easily grown from seed sown either in late fall or early spring. They bloom the second spring from sowing.

892 **Orientele**. Deep crimson flowers, with blotch of black on each petal. **Pkt., 10c; ⅛ oz., 40c.**

893 **New Oriental Hybrids**. Flowers of enormous size, sometimes 6 inches or more in diameter and of many novel colors. **Pkt., 10c; ⅛ oz., 40c.**

Hardy Primroses

Although known as a hardy perennial, these require in this climate some protection. If protected with leaves covered by a box, they will live through our severest winters.

Veris (Polyanthus). Excellent for either pot or outdoor culture. Colors mostly shades of yellow, and red and yellow.

903 **Choicest Mixed**. **Pkt., 25c.**

904 **Vulgaris**. True, yellow English Primrose; canary-yellow; fragrant. **Pkt., 10c.**

Pyrethrum

Hardy perennials of easy culture.

910 **Aureum** (Golden Feather). Golden foliage; small, white flowers. 1 foot. **Pkt., 10c; ¼ oz., 35c.**

913 **Roseum Hybridum**. Blooms freely from June to September, bearing large flowering, Daisy-like flowers, ranging from light pink to deep red, with bright yellow center; excellent for cutting. **Pkt., 10c; ⅛ oz., 60c.**

Rocket, Sweet

(*Hesperis Matronalis*)

Hardy perennial plant of easy culture, bearing clusters of purple or white fragrant flowers. 1½ feet.

921 **Mixed**.

Pkt., 10c; ⅛ oz., 25c.

Rudbeckia

(Coneflower)

Will grow in nearly all soils and situations, thriving in partial shade or fully exposed to the sun.

925 **Kelvedon Star**. Deep orange with dark brown disc. **Pkt., 10c.**

926 **Purpurea** (Echinacea; Giant Purple Coneflower). Large flowers, about 4 inches in diameter; reddish purple, with large cone of brown. Hardy perennial. 3 feet. **Pkt., 10c; ⅛ oz., 40c.**

Scabiosa

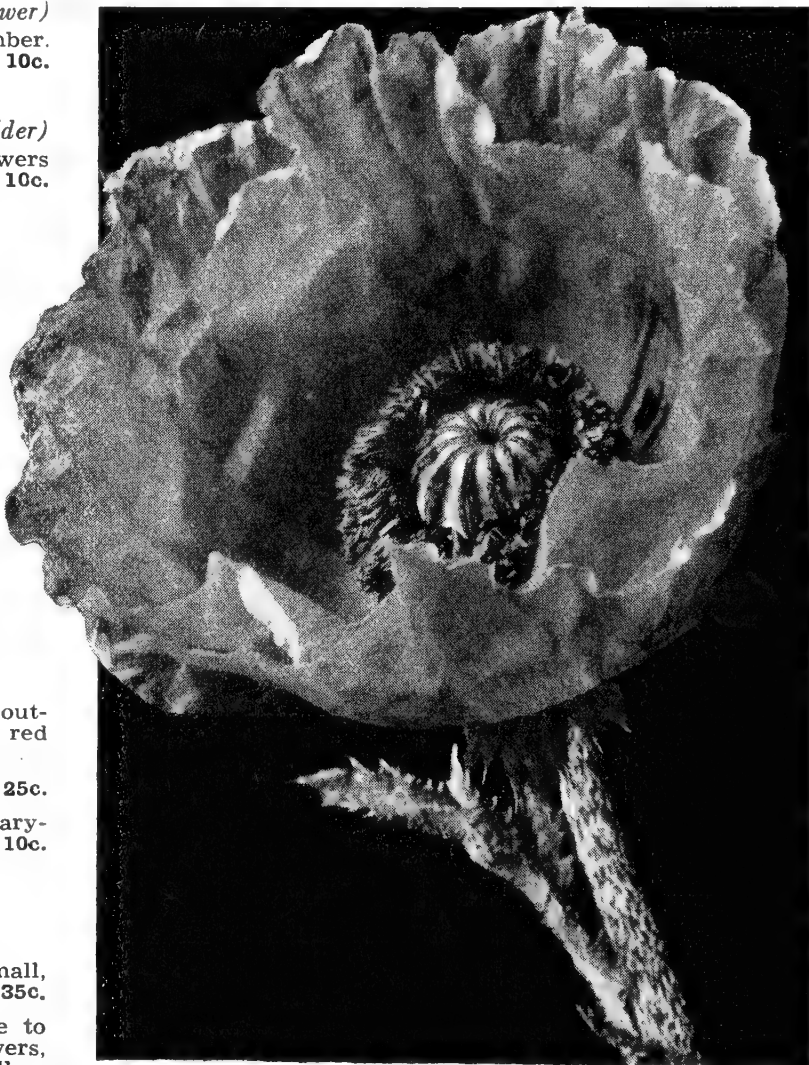
946 **Columbaria**. Lavender. Large lavender-blue flowers; plant dwarf with a fine, light green foliage. **Pkt., 15c; ⅛ oz., 60c.**

946A **Columbaria Pink**. Delicate pink. **Pkt., 15c; ⅛ oz., 60c.**

947 **New Blue Scabiosa**. **Hardy Perennial Scabiosa (Caucasica)** (Blue Bonnet). A hardy perennial, especially valuable for cutting, the blooms lasting a long time in water; color soft lavender-blue. 3 feet. **Pkt., 10c; 1/16 oz., 30c.**

947A **New Giant Caucasica Hybrids**. (Isaac House Strain.) Each petal is beautifully ruffled and frilled. The predominating colors are delicate lilac and mauve but embracing shades from white to the darkest blue.

Pkt., 15c; 1/16 oz., 50c.



Oriental Poppy



Tritoma

Sedum

949A **Acre.** H.P. Thrives well in poor soil. Fine for rockeries and for covering bare spots. Yellow blossoms. 3 inches. **Cannot supply.**

Sweet William

(*Dianthus Barbatus*)

A hardy biennial with large trusses of sweet-scented flowers produced in abundance, suitable for rock gardens.

1300 **Single Mixed Colors.** Pkt., 10c; $\frac{1}{8}$ oz., 35c.

1302 **Holborn Glory.** A new strain of the auricula-eyed section; both the head and individual flowers are of the largest size and each of the latter shows a clear white eye; of an exceedingly wide range of colors.

Pkt., 10c; $\frac{1}{8}$ oz., 40c.

1308 **Double Largest Flowered.** Choicest mixed. A greatly improved strain.

Pkt., 10c; $\frac{1}{8}$ oz., 40c.

1309 **Scarlet Beauty.** A very effective rich, deep scarlet variety.

Pkt., 10c; $\frac{1}{8}$ oz., 40c.

1306 **Newport Pink.**

Pkt., 10c; $\frac{1}{8}$ oz., 40c.

Stokesia Cyanea

(*Cornflower Aster*)

973 **Blue.** Blooms from August to frost. 2 feet high.

Pkt., 10c; $\frac{1}{8}$ oz., 35c.

974 **Mixed.** Containing many new colors.

Pkt., 10c; $\frac{1}{8}$ oz., 35c.

Tritoma

1317 **Tritoma** (Red Hot Poker Plant or Flame Flower). H.P. Large spikes of orange-red flowers. Height, 4 feet; effective in single clumps or among shrubbery.

Pkt., 10c; $\frac{1}{8}$ oz., 35c.

Trollius

1317A **Ledebouri, Golden Queen.** Deep orange, late bloomer.

Pkt., 25c.

Tunica

1318 **Saxifraga.** Dwarf, hardy perennial. Pink blossoms; an excellent rock plant.

Cannot supply.

Wallflower

Fine bedding plant, but more often grown as a pot plant. Shades of yellow, brown and reddish brown.

1340 **Single.** Mixed colors.

Pkt., 10c.

1341 **Double Branching.** Mixed colors.

Pkt., 10c; $\frac{1}{8}$ oz., 40c.

1342 **Paris Extra Early.** A new single flowered strain. blooming throughout the season, from spring-sown seed. Colors light brown, brownish red, yellow, and creamy white. Mixed.

Pkt., 10c; $\frac{1}{8}$ oz., 40c.

Veronica

1330. Pretty blue flowers on long spikes.

Pkt., 10c; $\frac{1}{8}$ oz., 50c.

Viola Cornuta

(*Tufted Pansies*)

Flowers not so large as the Pansy. Blooms profusely; is quickly and easily grown. Seed sown in April will produce blooming plants in June and, if planted in cool, moist soil, partly shaded, nearly all summer. Hardy perennial.

1335 **Mixed Tufted Pansies.** Finest mixture of all colors.

Pkt., 10c; $\frac{1}{8}$ oz., 75c.



Viola Cornuta

Gladiolus

You'll Want a Planting of these Gorgeous Summertime Beauties

Aladdin. A bright salmon with cream blotch. Opens 8 to 10 huge, gorgeous blooms on a long head.

Each, 12c; doz., \$1.20; 100, \$8.00.

Alchemist. A popular early yellow. The large, rich yellow florets open quite flat on a tall, straight spike and give a most pleasing appearance.

Each, 12c; doz., \$1.20; 100, \$8.00.

Arethusa. A new, glowing, orange-red with a slightly darker blotch.

Each, 12c; doz., \$1.20; 100, \$8.00.

Beacon. Clear, bright, rose-scarlet, with large cream blotch. Extremely showy. Opens 8 to 10 medium-large, somewhat ruffled blooms on a very tall, straight but willowy spike.

Each, 12c; doz., \$1.20; 100, \$8.00.

Charmaine. A new deep rose with darker throat. Beautiful.

Each, 12c; doz., \$1.20; 100, \$8.00.

Colonial Maid. Tall, strong growing pale lavender, with deeper flecks and lines in throat. Opens 5 to 6 4½-inch florets at once.

Each, 12c; doz., \$1.20; 100, \$8.00.

Colossus. Tall giant pink with deeper colored feather on a cream ground. Very large flowers sometimes 7 to 8 inches in diameter, and with up to 6 or 8 open.

Each, 12c; doz., \$1.20; 100, \$8.00.

Dr. Hoeg. Glistening dark red of medium size. Has a velvety sheen that no other red variety has.

Each, 12c; doz., \$1.20; 100, \$8.00.

Early Dawn. Early blooming Geranium-pink. Very large florets on a tall, willowy spike. Strong grower.

Each, 12c; doz., \$1.20; 100, \$8.00.

Firefly. Dazzling scarlet with single white line on each lip. The very best early blooming scarlet variety.

Each, 12c; doz., \$1.20; 100, \$8.00.

Gardenia. Creamy white. Good clean self color. New and one of the best in this color.

Each, 12c; doz., \$1.20; 100, \$8.00.

Jasmine. Absolutely clear pale lemon-yellow beautifully ruffled. 6 to 7 large blooms open on a tall spike.

Each, 12c; doz., \$1.20; 100, \$8.00.

King Lear. Very early clear deep reddish purple with silver lines on edges of all petals. Large and heavily ruffled. 5 to 6 large blooms on a very tall spike.

Each, 12c; doz., \$1.20; 100, \$9.00.

Maid of Orleans. Beautiful milky white with cream throat. Tall, straight plant with up to 8 large, well placed blooms open.

Each, 12c; doz., \$1.20; 100, \$8.00.

Margaret Beaton. Pure snow-white with small scarlet blotch in throat. 6 to 8 large, usually well placed blooms open on a long flower head.

Each, 12c; doz., \$1.20; 100, \$8.00.

Margaret Fulton. Superb, early blooming salmon-pink. A distinctive shade, different than the color of any other variety. Opens 6 to 8 blooms at once.

Each 12c; doz., \$1.20; 100, \$8.00.

Miss Alameda. Large saffron-pink on a tall, strong exhibition spike. 8 to 10 blooms open at one time.

Each, 12c; doz., \$1.20; 100, \$8.00.

Miss Bloomington. Very early, tall, light yellow. Opens 6 to 8 well placed blooms.

Each, 12c; doz., \$1.20; 100, \$8.00.

Pelegrina. Rich dark violet-blue. One of the best in the deep blue color class. Always attracts attention.

Each, 12c; doz., \$1.20; 100, \$8.00.

Phyllis McQuiston. Glowing shrimp-pink, shading lighter in the throat. A nice distinctive shade of pink with five or more blooms open at a time.

Each, 12c; doz., \$1.20, 100, \$8.00.

Picardy. Clear soft salmon with flesh throat on which is a soft inconspicuous feathering of rose. 7 to 9 very large, well placed blooms open at once. The most popular variety grown.

Each, 12c; doz., \$1.20; 100, \$8.00.

Rima. Large light lilac-pink with cream throat. Very tall and has 5 to 7 blooms open. One of the most beautiful Glads grown. New.

Each, 15c; doz., \$1.40; 100, \$10.00.

Rosa Van Lima. A pure, clear pink of such loveliness as is seldom seen. A touch of light lavender in throat.

Each, 12c; doz., \$1.20; 100, \$9.00.

Shirley Temple. Immense heavily ruffled cream with cream-yellow throat. Opens 6 or more huge blooms on a tall spike. Very popular.

Each, 12c; doz., \$1.20; 100, \$8.00.

Silentium. An excellent white with carmine feather in throat. Tall straight spike with 5 to 7 blooms open at a time.

Each, 12c; doz., \$1.20; 100, \$8.00.

Snow Princess. One of the very finest of the creamy whites. Long spike with about six large florets open at once.

Each, 12c; doz., \$1.20; 100, \$9.00.

Sweet Alibi. A new ruffled deep Geranium-pink. Tall straight spike with many blooms open at one time.

Each, 12c; doz., \$1.20; 100, \$8.00.

Timbuctoo. Large deep rose-red on a fine spike. The best in its color class.

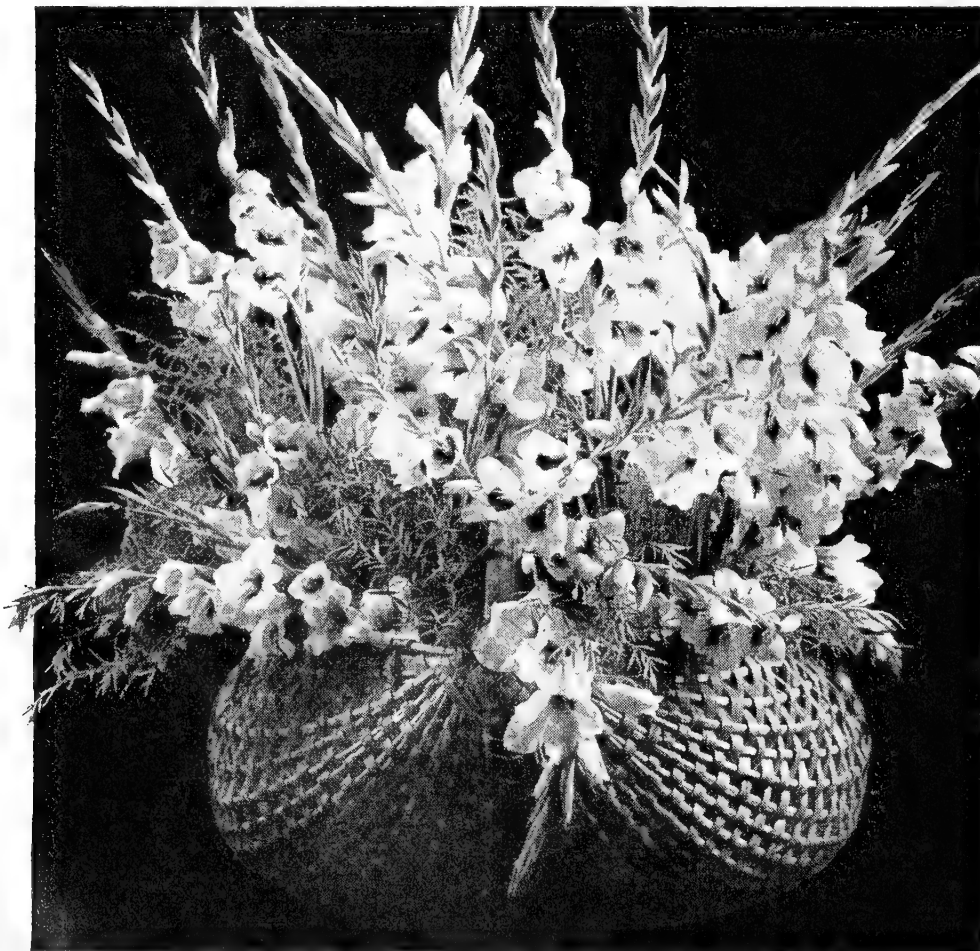
Each, 12c; doz., \$1.20; 100, \$8.00.

Yellow Emperor. Clear medium yellow with no markings. Strong grower, straight spike with many blooms open.

Each, 12c; doz., \$1.20; 100, \$8.00.

Mixture. A mixture of popular, named varieties, selected from all classes, unsurpassed in diversity of colors and types of blooms.

Each, 10c; doz., \$1.00; 100, \$6.00.



For Cut Flowers Nothing Can Quite Take the Place of Gladiolus



IF IT'S GIANT SIZE AND BEAUTY BEYOND DESCRIPTION — *We Recommend* — **Dahlias**

Avalon. Large yellow, fine form. 50c each; \$5.00 per doz.

Andreas Hoffer. Delicate pink with white center, very free, fine cut flower. 75c each.

Jean Cowl. The best large orange and yellow cut flower grown. 50c each; \$5.00 per doz.

Jersey's Beauty. The very best true pink, large flowering Dahlia grown. 50c each; \$5.00 per doz.

Jean Trimbee. Soft violet and purple. \$1.00 each.

Libelle. Deep purple, Cactus, fine cut. 50c each; \$5.00 per doz.

Louis Walcher. This is the best bicolored Dahlia ever offered. Deep purple, tipped white, free flowering. \$1.00 each.

Laetare H. C. One of the finest cut flower kinds grown, scarlet and orange shades, very free flowering. \$2.00 each.

Michigan White. The very best large white grown, very free flowering. \$1.00 each.

Mrs. I. de Ver Warner. Large deep lavender-pink, very free flowering. 50c each; \$5.00 per doz.

Mrs. Edna B. Champlain. Rhodamine-pink, large, free flowering. 50c each; \$5.00 per doz.

Margaret Woodrow Wilson. Large white, veined light pink. 50c each; \$5.00 per doz.

Nanaquaket. Fine large pink, free, with good stems. 50c each; \$5.00 per doz.

Polar Snow. Large pure white, good cut flower. 50c each; \$5.00 per doz.

Queen City. Strawberry-red and peach, very good florist flower. \$1.00 each.

Rose Glory. Deep pink, fine flower. 50c each; \$5.00 per doz.

Storm King. Medium size white, very free flowering. 50c each; \$5.00 per doz.

Salem Pride. Large white, striped purple-crimson, very attractive, free flowering. \$1.00 each.

Scarlet Leader. This is the very best scarlet Dahlia grown, free flowering, wonderful flower. \$2.00 each.

Thomas A. Edison. Large deep purple, one of the best grown. \$1.00 each.

W. H. Thomas. Deep rose, full to the center, always fine for cut flowers. 50c each; \$5.00 per doz.

Pompon and Miniature Dahlias

Amber Queen. This is the best amber and orange-gold, very free flowering, fine cut flower. 35c each; \$3.50 per doz.

Carla. Min. Salmon and cream, fine. \$1.00 each.

Joe Fette. The best pure white grown. 35c each; \$3.50 per doz.

Little David. Deep orange, very free flowering. 50c each.

Mary Munns. Deep fuchsia or orchid, fine, free flowering. 50c each; \$5.00 per doz.

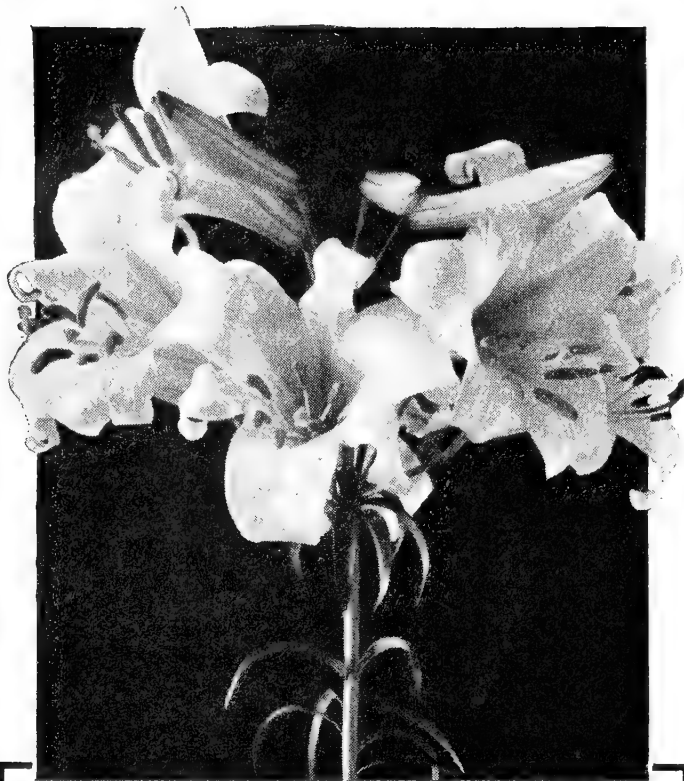
Pink Pearl. Min. Soft pink, yellow center, very free flowering. 50c each; \$5.00 per doz.

Sunny Daybreak. Sunny yellow and gold. 50c each; \$5.00 per doz.

Target. Min. One of the best cut flowers grown, soft salmon-rose, very free flowering. \$2.00 each.

Yellow Gem. Bright yellow, one of the best for cut flowers. 50c each; \$5.00 per doz.

Mixed Dahlias. Our special assortment of free-flowering Dahlias. Postpaid, \$2.75 per doz.



Regal Lily

(*Lilium Myriophyllum*)

It is a pure, waxy white, with a lemon-yellow throat and a trumpet about 6 inches long, and when the flower is fully developed, it is about 7 inches across; 2 to 2½ inches in diameter. Each, 40c.

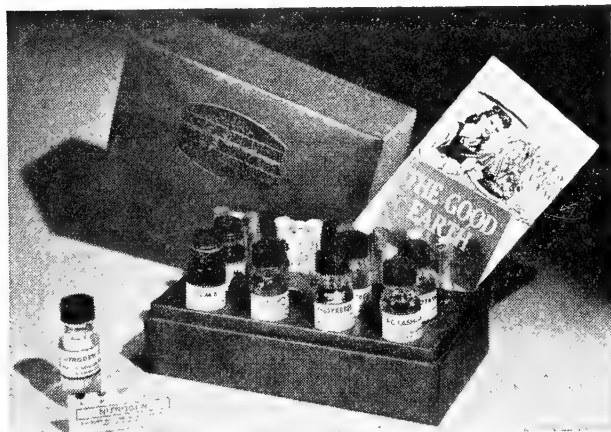
Tuberous-Rooted BEGONIAS

Desirable for shady places. Start in the house early and set plants in the open ground about the last of May. They will bloom soon and profusely and continuously until frost. Keep constantly moist.

Single Varieties. Dark red, yellow, white, salmon, pink, and mixed colors. 20c each; \$1.90 per doz.

Double Varieties. Dark red, yellow, white, salmon, pink, and mixed colors. 20c each; \$1.90 per doz.

GUESSERS MAKE POOR GARDENERS



Eliminate hit or miss gardening with the Sudbury Soil Test Kits. Grow prize winning flowers, bigger, more tender vegetables, greener grass.

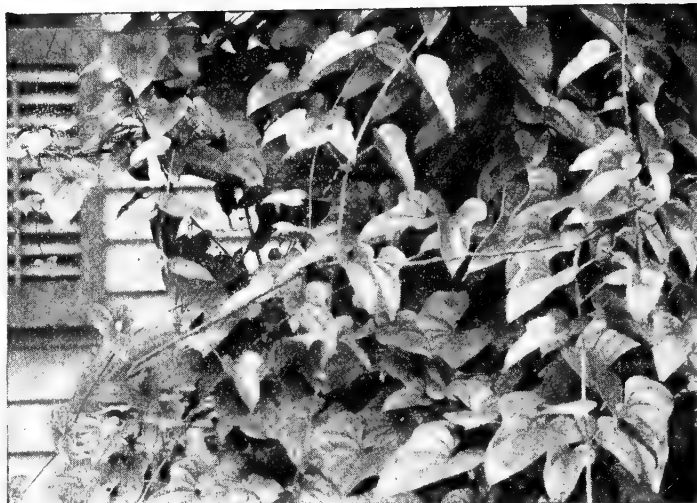
Junior Professional Model (as shown). \$4.75, postpaid.

Model "D" Home Gardener's Kit. \$2.00, postpaid.

Model "B" Horticultural Kit. \$9.75, postpaid.

Model "A" Deluxe Kit. \$22.50, postpaid.

Testing Fluid for Refills. Specify whether for nitrogen, phosphorus, potash or acidity. 2 ozs., 75c; 6 ozs., \$1.50.



Cinnamon Vine

Grows 15 to 30 feet. The leaves are green, with a tinge of bronze. The flowers are white, borne in clusters. The vine dies at the end of the season, but the root is hardy. Postpaid, extra large roots, 12c each; 3 for 35c; doz., \$1.20.

Madeira Vine

A rapid-growing climber with beautiful, thick, glossy waxlike leaves and bearing profusely in graceful, feathery racemes white flowers which have a fragrance resembling Mignonette. Plant when ground becomes warm. Store tubers in a cold, dry place during winter.

Postpaid, 12c each; doz., \$1.20.

Dwarf Tuberose

An Improved Strain.

Bulbs may be started in the house for early flowers, or they may be planted in the open border, but not earlier than June in this latitude.

Excelsior Dwarf Pearl. Improved strain; plant of dwarf habit; blooms earlier and flowers are more double than old strain. Extra large bulbs, postpaid, each 15c.

Owing to the severe shortage of suitable nursery stocks, we are omitting for the season of 1946 any of this material for spring planting.

We do hope a supply will be available for 1947.

Perfect Garden Label

Accepted as the perfect garden label by all who have used them. Easily and permanently marked with ordinary lead pencil. The beautiful gray-green color blends with the soil, foliage and rocks. Prices postpaid as follows:

SHOW GARDEN LABEL.

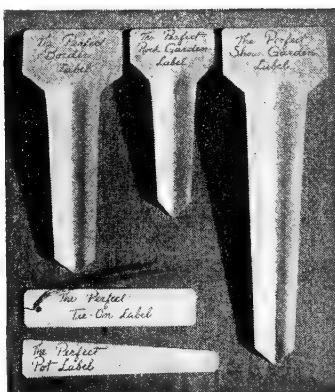
Length 7 in., width of marking space 2½ in.

12 labels	\$1.25
25 labels	2.50
100 labels	9.50

TIE-ON LABEL. Length 3½ in., width ¾ in. Sturdy copper wires in convenient bundles ready bent for attaching.

100 labels in box\$3.00

POT LABEL. Length 4 in., width ¾ in. at wide end. 100 labels in box\$2.50



BORDER LABEL. Length 5 in., width of marking space 2 in.

12 labels	\$1.00
25 labels	2.00
100 labels	7.75

ROCK GARDEN LABEL. Length 4 in., width of marking space 1¾ in.

12 labels	\$0.90
25 labels	1.75
100 labels	6.75

VEGETABLE SEED INFORMATION

PLANTING DATES — DISTANCES — MATURITIES

CROP	VARIETY	DAYS TO MATURITY	AMOUNT OF SEEDS OR PLANTS PER 100 FT. ROW	DATES SEEDS OR PLANTS MAY BE PLANTED**	INCHES BETWEEN ROWS	INCHES BETWEEN PLANTS	PLANTING DEPTH INCHES	REMARKS			
★BEANS	Stringless Greenpod	40-60	1 lb.	May 1—July 15	30	2-4	1	Can be planted in hills 4 seeds every 12 inches			
	Pencil Pod Wax	40-60	1 lb.	May 1—July 15	30	2-4	1				
	Bountiful	40-60	1 lb.	May 1—July 15	30	2-4	1				
	French Horticultural	75-85	1 lb.	May 15—July 1	30	2-4	1				
	Lima	75-80	1 lb.	May 15—June 15	30	2-4	1				
★BEETS	Fordhook Bush	75-80	1 lb.	May 15—June 15	30	2-4	1	Use 4 plants to one pole			
	Kentucky Wonder	65-75	1/2 lb.	May 15—June 15	36	24 hills	1		Use thinnings for greens		
	Crosby Egyptian	60-70	1 oz.	Apr. 15—Aug. 1	12-15	2-4	1/2				
	Detroit Dark Red	60-65	1/4 oz.	Apr. 15—July 15	36	18	1/2			6 to 8 plants enough for family	
	Italian Green Sprouting	60-70	1/4 oz. or 66 plants	Apr. 1—July 15	24	18	1/2				Can also be used for late crop
★CABBAGE	Copenhagen Market	100	1/4 oz. or 50 plants	July 1—July 15	36	24	1/2				
	Danish Ballhead	70-75	1/2 oz.	Apr. 15—July 15	12-15	2-4	1/2	Chantenay and Imperator for early			
	Imperator	50-60	1/4 oz.	Apr. 15—July 15	30	18-24	1/2		Danvers for storage		
	Early Chantenay	115-120	1 pkt. or 600 plants	Apr. 25—July 15	24-30	6-8	1/4			Set plants in April or July	
	Danvers Half Long	120-125	1 pkt. or 600 plants	July 1—July 15	30	6-8	1/8				Blanch with paper or boards
★CAULIFLOWER	Snowball	70-80	1/4 lb.	May 1—July 1	30	24 hills	1					Bank with soil or store for winter
	Golden Plume	90	1/4 lb.	June 1—July 1	36	24 hills	1	Plant 3-4 plants per hill			
	Golden Bantam	60-65	1/2 oz.	May 15—June 1	48	48 hills	1/2		Make 2 or 3 plantings at 2 week intervals		
	Golden Cross Bantam	75-85	1/4 oz.	Apr. 15—July 15	12-18	10-15	1/4			3-4 plants per hill	
	Straight Eight or White Spine	100-120	1 oz.	Apr. 15—May 15	13-15	2-3	1/2				Plant New York only in April and set plants if possible
★CELERY	White Big Boston	85-90	2 qts.	Apr. 1—May 15	13-15	2-3	1-2					Can be used for green onions
	New York No. 12	120-125	1/2 oz.	Apr. 15—May 15	24	2-4	1/2	Will keep in ground all winter			
	Danvers Yellow Globe	60-65	1 lb.	Apr. 1—Apr. 30	30	1-2	1-2		Late varieties best for winter storage		
	White or Yellow Onion Sets	75-80	1 lb.	Apr. 1	36	1-2	1-2			Plant frequently in small amounts	
	Hollow Crown	70-75	1 pkt.	May 15—June 1	30	12-18	1/2				Crowns covered 3"-4"
★PEAS	Laxton's Progress	85-110	1/2 pk.	May 1—June 1	30	12	1/2					Shoots to seed in July and August
	Early Telephone	25-28	1 oz.	Apr. 1—Aug. 15	12	1	1/4	Start in hotbed Mar. 1-15. Stake and prune to one stem			
	World Beater	1 year	50	Apr. 15—May 15	36	24	3-4		3-4 plants per hill		
	Irish Cobbler	40-45	1 oz.	Apr. 1—Aug. 15	12	1-2	1/4			3-4 plants per hill	
	Green Mountain	55-60	1/2 oz.	May 10—May 30	48	48 hills	1/2				3-4 plants per hill
★RADISHES	Scarlet Globe	100-110	1/2 oz.	May 15—June 1	72	60 hills	1/2					Start in hotbed Mar. 1-15. Stake and prune to one stem
	Victoria	70-75	1 pkt.	May 25—June 1	36	24	1/4	Plant as late as August			
	Long Standing	55-60	1/2 oz.	May 15—June 1	72	60 hills	1/2		Plant not later than July		
	Summer Savoy	100-110	1/2 oz.	May 15—June 1	72	60 hills	1/2			Plant as late as August	
	Straightneck	70-75	1/2 oz.	May 15—June 1	72	60 hills	1/2				Plant not later than July
★RHUBARB	Des Moines (Table Queen)	55-60	1/2 oz.	May 10—May 30	48	48 hills	1/2					Plant as late as August
	Delicious or Hubbard	70-75	1/2 oz.	May 15—June 1	72	60 hills	1/2	Plant not later than July			
	Bonny Best	100-110	1/2 oz.	May 15—June 1	72	60 hills	1/2		Plant as late as August		
	Marglobe	70-75	1/2 oz.	May 15—June 1	72	60 hills	1/2			Plant not later than July	
	Comet (Trellis)	70-75	1/2 oz.	May 15—June 1	72	60 hills	1/2				Plant not later than July
★TOMATO	Purple Top Flat or Globe	55-60	1/4 oz.	Apr. 15—July 15	30	2-4	1/2					Plant as late as August
	American Purple Top	75	1/4 oz.	May 15—June 15	36	4-6	1/4	Plant not later than July			
	Summer	55-60	1/2 oz.	May 10—May 30	48	48 hills	1/2		Plant as late as August		
	Fall	55-60	1/2 oz.	May 15—June 1	72	60 hills	1/2			Plant not later than July	
	Winter	100-110	1/2 oz.	May 15—June 1	72	60 hills	1/2				Plant not later than July
★TURNIP	Bonny Best	70-75	1/2 oz.	May 15—June 1	72	60 hills	1/2					Plant as late as August
	Marglobe	70-75	1/2 oz.	May 15—June 1	72	60 hills	1/2	Plant not later than July			
	Comet (Trellis)	70-75	1/2 oz.	May 15—June 1	72	60 hills	1/2		Plant as late as August		
	Purple Top Flat or Globe	55-60	1/4 oz.	Apr. 15—July 15	30	2-4	1/2			Plant not later than July	
	American Purple Top	75	1/4 oz.	May 15—June 15	36	4-6	1/4				Plant not later than July

**SUCCESS IN GARDENING
IS THE RESULT OF CAREFUL
PLANNING, GOOD
CULTURAL PRACTICE AND
COMPLETE FEEDING**

We want you to enjoy a full measure of success from your gardening efforts. We are anxious that you have a lawn that is luxuriant . . . thick, deep green and practically weed-free. We know you would enjoy the pleasure of growing an abundance of big healthy blooms rich in color and fragrance.

We offer you the seed you need. It's high grade seed thoroughly tested to assure your getting good germination and true to name plants. But good seed alone is not enough. The young plants that sprout need complete, balanced nourishment to produce the kind of growth that will please you.

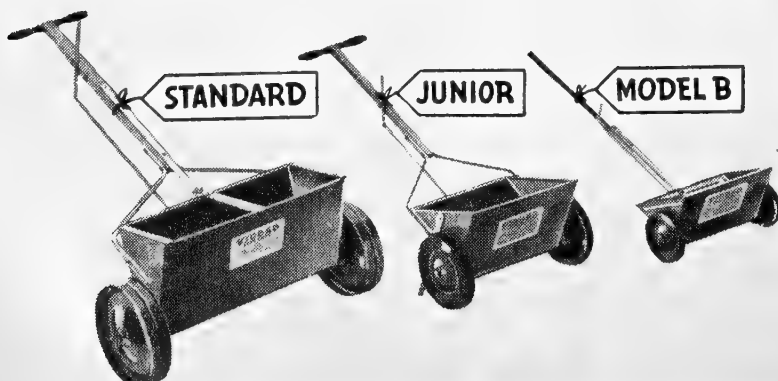
The quick, easy way of making certain that your plants will all be properly nourished is to feed everything you grow with VIGORO. Vigoro is complete plant food made by Swift & Company. For more than twenty years it has been used with remarkable success by millions of gardeners. It is clean, odorless, easy to use and economical, too. It is made especially for feeding lawns, flowers, shrubs, trees and home vegetable gardens. It supplies the nourishment plants need from the soil for finest growth. Let us ship you your requirements. Figure your needs at 4 pounds per 100 square feet of lawn or garden area.



PRICES

100-lb. bag	\$4.25	10-lb. pkg.	\$0.85
50-lb. bag	2.75	5-lb. pkg.	.45
25-lb. bag	1.55	1-lb. pkg.	.10

USE A VIGORO SPREADER!



Once you use a Vigoro Spreader you'll say it's just as important as your lawn mower . . . Applies Vigoro at proper rate of application quickly and easily. Sows grass seed to perfection at a big saving in seed. All models sturdily constructed of metal to last many years.

MODEL B	JUNIOR	STANDARD
13-lb. Cap.	35-lb. Cap.	65-lb. Cap.
14 in. wide	16 in. wide	24 in. wide
\$3.35	\$7.80	\$15.80

General List of Fertilizers and Soil Builders

Armour's 5-10-5 Garden Fertilizer



Armour's 5-10-5 Garden Fertilizer is the best all-around fertilizer for use around the home and in your gardens. Price: 25-lb. bag, \$1.25; 50-lb. bag, \$2.15; 100-lb. bag, \$3.50; 500 lbs. to 900 lbs., \$3.35; \$3.25 per 100 lbs.;

per 100 lbs.; 1,000 lbs. to 1,900 lbs., \$3.25 per 100 lbs.; 2,000 lbs. or 1 ton or more, \$3.00 per 100 lbs.

LEE MAGNESIUM GROUND LIMESTONE. A magnesium limestone particularly suitable for soils showing a deficiency of magnesium. Price per 100-lb. bag, \$1.00; 500 lbs., \$3.75. Ton prices on request.

TOBY GROUND LIMESTONE. A high calcium, finely ground limestone. Price per 100-lb. bag, \$1.00; 500 lbs., \$3.75. Ton prices on request.

SURE CROP HYDRATED LIME. Price: 50-lb. bag, 70c; 100 lbs., \$1.25. Ton prices on request.

SNOW FLUFF HYDRATED LIME. For spraying. Price: 50-lb. bag, 75c; 100 lbs., \$1.35. Ton prices on request.

LAND PLASTER (Gypsum). For composting and dusting. Per bag of 100 lbs., \$1.25; per ton, \$19.50.

IMPORTED GROUND PEAT FOR HORTICULTURISTS. Finely ground (granulated) peat is of recognized value to the florist, gardener or nurseryman. Market price.

FINE GROUND BONE. 2.47% nitrogen, 23% phosphoric acid. Subject to availability and price.

CALCIUM CHLORIDE. Dust layer and surface binder. One bag will cover about 50 square yards. Used also as an anti-freeze. Sold in 100-lb. bags only. 100-lb. bag, \$2.70. Prices for larger quantities on request.

TOBACCO DUST. Fine, ground; for greenhouse use this is one of the best articles for dusting all kinds of plants that are affected with insects of any kind. Per bag of 100 lbs., \$5.00; 50-lb. bag, \$2.75; 5 lbs., 65c.

TOBACCO STEMS. Used for fumigating, also used by some as a top dressing for fertilizer. We can furnish these in any quantity. Prices: 5 lbs., 60c; 100 lbs., \$4.50.

VIGORO TABLETS. Specially made for Potted Plants and Flower Boxes. 24 25-Grain Tablets per package. 10c per package; 15c, postpaid.

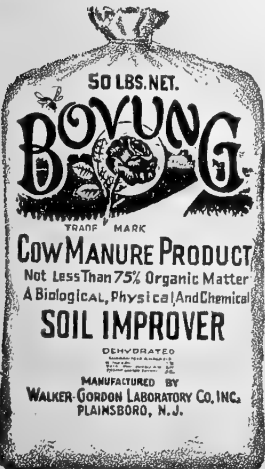
STIM U PLANT



The Original Plant Food Tablets. They are designed for use by all who grow plants. Simply insert a tablet in the soil near each plant or dissolve four tablets per gallon of water. Price postpaid: 10-tablet pkg., 15c; 30-tablet pkg., 25c; 100-tablet pkg., 75c; 500-tablet pkg., \$2.50.

Adco—For Making Artificial Manure

150 lbs. of Adco converts leaves, garden refuse or other waste vegetation into 3 tons of artificial manure by a simple composting method. Home owners, vegetable growers or florists can profit by its use. 7½-lb. pkg., \$1.00; 25-lb. bag, \$2.00; 100 lbs. (4-25's), \$7.75.



Bovung is Cow Manure in a Convenient and Concentrated Form

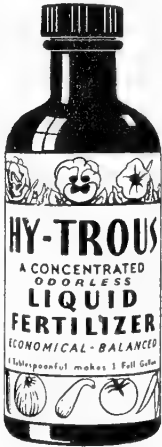
- * BOVUNG is absolutely free from live weed seeds.
- * BOVUNG can be applied without fear of burning or harmful results.
- * BOVUNG supplies plant food as the plant needs it.
- * BOVUNG is clean, convenient to handle and is reasonable in price.

Prices: 25-lb. bag, \$1.15; 50-lb. bag, \$1.95; 500 lbs., \$17.50; 1,000 lbs., \$33.00; ton, \$63.00.



Nit.	A.P.A.	Pot.	Prices Quoted on Request
4	12	8	
5	8	7	
5	10	10	
8	16	16	
7	7	7	

20% Super Phosphate—Nitrate of Soda
These fertilizers for commercial use. Sold only in 500-lb. lots or more.



HY-TROUS LIQUID FERTILIZER

ODORLESS—ECONOMICAL—BALANCED

1 Tablespoonful makes 1 Full Gallon

A remarkable liquid fertilizer, this HY-TROUS. Completely balanced . . . concentrated; one tablespoonful makes a gallon of efficient plant food when mixed with water . . . will not burn the most tender root, leaf, or flower . . . easily applied . . . positive in results . . . economical to use . . . completely odorless. For flowers, fruits, vegetables, lawns, shrubs, trees, and house plants.

Marjorie Mills will tell you about Hy-Trous every week over WBZ and the New England Network.

3 ozs.	\$0.25
8 ozs.	.59
16 ozs.	.99
32 ozs.	1.79
1 gal.	5.95
BUY TODAY!	

For sturdy, healthy growth in all types of plant-life, use

HY-TROUS
Concentrated Odorless Liquid Fertilizer

PLANTABBS



Plantabbs now contain Vitamin B1. Vitamin B1 is combined with Plan-tabbs. B1 is not a fertilizer or food. It simply acts to release and magnify the food in soil. If the soil is poor, there is no food to release, therefore, Plantabbs supply a complete, balanced food and Vitamin B1 magnifies its value.

Small pkg. (30 tablets), 25c; post-paid, 30c. 75-tablet pkg., 50c; post-paid, 55c. 200-tablet pkg., \$1.00; postpaid, \$1.10. Professional size, \$2.75; postpaid, \$2.85.

General List of Fertilizers and Soil Builders

Arnold Sprayers and Cartridges



Germaco

Hotkaps

HELP YOU GROW EARLIER, HARDIER VEGETABLES and FLOWERS

Germaco HOTKAPS—strong little hot houses—protect plants from destructive frost, storms, insects. University Agricultural Experiment Station tests prove HOTKAPS increase total yield 18% to 51%, promote bigger fruits and vegetables, ripen plants 3 weeks earlier. Quick, easy to set, instructions on package. 100 million used by successful growers. Beat everyone with first vegetables, flowers. Order today. **25 Hotkaps with cardboard setter, 50c. Postage extra.**

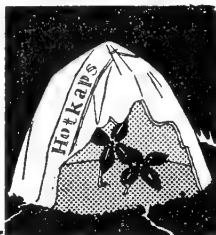
Market Growers: University tests prove Germaco HOTKAPS nearly **double** your **early** marketable yield per acre, help you get highest out-of-season prices. Premium profits pay for them many times over. Crop failure is costly—HOTKAPS protection is cheap! Order today.

Millions of HOTKAPS are used every season. Inexpensive to buy. One man can set out 2000 or more per day.

1,000 lots, \$11.00; 5,000 lots, \$10.75 per M; 10,000 lots, \$10.50 per M; 25,000 lots, \$10.25 per M; 250 Pkg. with Fibreboard Setter, \$3.50; 100 Pkg. with Fibreboard Setter, \$1.95; 25 Home Garden Pkg. with Setter, 50c; Steel Setter, \$1.35; Fibreboard Garden Setter, 15c.

Weight: 1000 package HOTKAPS, 28 lbs.; 250 package, 9 lbs.; 100 package, 5 lbs.; Home Garden Package, 2 lbs.; Steel HOTKAPS Setter, 4 lbs.

Postage extra. Write for Free Booklet.



Old Deerfield Lawnshrub Fertilizer 6-5-5

Old Deerfield Lawnshrub is an excellent fertilizer for Lawns, Shrubs, Trees and Flowers. Four to five pounds per 100 square feet is recommended as a lawn top dressing. Complete circular on request. Price: Per 100 lbs., \$4.15; per ton, \$75.00.



Niagara Dusters

FOUR NIAGARA PLUNGER TYPE HAND DUSTERS

"Pint" Duster. Mailing weight 2 lbs. \$1.00.

"Pint" Extension Duster. Mailing weight 2 lbs. \$1.15.

"One Quart" Duster. Mailing weight 3 lbs. \$1.65.

"Two Quart" Duster. Mailing weight 4 lbs. \$3.00.

Niagara No. 5205 Cylindro Duster. Crank type. A new duster which has proven very satisfactory. \$19.00.

No. 5206. Same, with Y attachment. \$21.00.

Circulars will be gladly sent on request.

See us for details and prices on Niagara Orchard and Crop Power Dusters.



ARNOLD GARDEN HOSE INSECTICIDE SPRAYER AND CARTRIDGES

ARNOLD GARDEN HOSE SPRAYER. (Chrome.) \$4.00 each.

ARNOLD GARDEN HOSE SPRAYER. (Brass.) \$3.50 each.

ARNOLD "VICTORY" HOSE SPRAYER. An all-plastic garden hose sprayer. \$1.00 each.

CRYOLITESPRAY CARTRIDGE. A non-poisonous control for chewing insects. 35c each; 12 for \$4.00.

NIC-O-SPRAY. A control for soft-bodied insects, such as aphids and flea beetles. 35c each; 12 for \$4.00.

ARSEN-O-SPRAY. For the control of all chewing insects. 35c each; 12 for \$4.00.

SULPH-O-SPRAY. Will control fungous diseases which can be controlled by a sulphur spray. 35c each; 12 for \$4.00.

FUNGUSPRAY. A Bordeaux spray for the control of certain leaf spots and blights. 35c each; 12 for \$4.00.

VITAMIN B1. A stimulant for root growth on all types of plants. 35c each; 12 for \$4.00.

P-R (Pyrethrum-Rotenone). For control of Aphids, Bean Beetle, Rose Chafer, Thrips, etc. 35c each; 12 for \$4.00.

"ARNOLD" DDT CARTRIDGES. 35c each; 12 for \$4.00.

Armour's Special Ornamental Fertilizer 6-12-4

A very special fertilizer for lawns, shrubs and trees. 25-lb. bag, \$1.50; 50-lb. bag, \$2.50; 100-lb. bag, \$4.00.

MILORGANITE The Ideal Fertilizer

FOR LAWNS, GARDENS, FLOWERS, SHRUBS AND TREES

By using Milorganite you can have a finer, more luxuriant lawn—deep green grass of uniform color and growth, weed-free turf of velvety texture. Promotes steady, uniform growth. Milorganite "has what it takes" for healthy continuous plant growth. Packed in 100-lb. bags only. 100-lb. bag, \$3.50; 1/2-ton lots, \$3.30 per 100 lbs.; ton lots, \$54.00 per ton.



Pulverized Sheep Manure

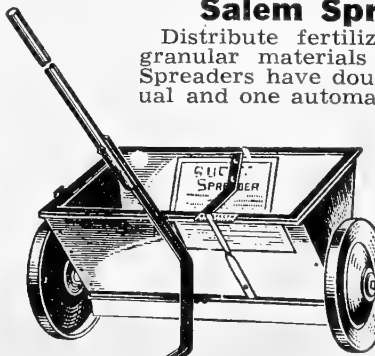
A standard dressing for lawns, also excellent for shrubs and flowers. Apply at the rate of about 50 lbs. per 1000 sq. ft. Prices: 25-lb. bag, \$1.15; 50-lb. bag, \$1.90; 100-lb. bag, \$3.25; ton, \$55.00.



Driconure. A garden and lawn top dressing and soil improver. This ideal plant food combines poultry and cow manure with peat moss. Clean, easy to use; will not burn. Large 2-bu. bags, sufficient for top dressing 1000 sq. ft. lawn area or fertilizing 250 sq. ft. garden area. Price: Per 2-bu. bag, \$2.25.

Salem Spreaders

Distribute fertilizer, grass seed and other granular materials exactly as required. All Spreaders have double feed control—one manual and one automatic. A size for every need.



Salem 16-inch Spreader. Spreading width, 18 in.; hopper capacity, 22 lbs.; wheel diameter, 8 in.; shipping wt., 13 lbs. Price: \$4.75.

Salem 20-inch Spreader. Spreading width, 22 in.; hopper capacity, 40 lbs.; wheels have 1 1/4-in. tread, 12 inches in diameter; shipping weight, 19 lbs. Price: \$8.45.

Salem 30-in. Spreader. Spreading width, 30 inches; hopper capacity, 80 lbs.; wheels have 2 1/2-in. tread, 12 inches in diameter; shipping weight, 35 lbs. Price: \$14.95.

Salem Heavy-Duty 36-in. Spreader. Spreading width, 36 inches; capacity, 125 lbs. of fertilizer or other material. The wheels are 18 inches in diameter with 2 1/2-in. tread. Shipping weight, 80 lbs. Price, \$27.50.

Remedies for Insects, Fungus, Etc.



Kryocide D-50

(NATURAL CRYOLITE WITH SULPHUR)

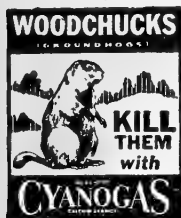
A Ready Mixed Dust

Vegetable gardeners will appreciate the new "Kryocide" (natural Cryolite) and "Kryocide" D-25 (ready mixed dust with sulphur). Finely micronized for thorough application.

"KRYOCIDE" D-50 (With Sulphur) is "Kryocide" in ready mixed dust to be used directly on plants. Is both insecticide and fungicide. Its base is NATURAL CRYOLITE, the insecticide recommended by authorities and widely used to control chewing insects. Ready and easy to apply in vegetable gardens. Packed in 1-lb. cans. Price: 50c; also 3-lb. bags, 85c.

"KRYOCIDE" (Straight) is the unmixed, finely pulverized NATURAL CRYOLITE to be used in a water spray, in mixed dust or as bait in vegetable gardens and on certain shrubs. Highly effective in controlling many chewing insects. Easy to apply. Safe. Price: 1-lb. can, 35c.

KRYOCIDE C is a ready mixed dust containing natural cryolite and copper in basic copper sulphate (not sulphur). Used either as a dust or as a spray in water. 1-lb. can, 55c each; 3-lb. bag, 90c each.



Cyanogas

When exposed to the air, Cyanogas A-Dust gives off gas that kills these destructive pests almost instantly. One whiff is enough for any woodchuck. A heaping tablespoonful in each opening is sufficient. All openings should then be closed.

Cyanogas is also certain death to rats, moles and ground squirrels. 1-lb. can, 75c; 5-lb. can, \$3.00; 25-lb. can, \$10.00.

"Nico-Fume" Powder Pressure-Fumigator

"Nico-Fume" Powder is now packed in hermetically-sealed cans. It is packed in both ½- and 1-lb. cans. Two holes are scored, ready to be punched out. A special lighter is attached to the can. 12 1-lb. tins to case, \$7.40; 6 1-lb. tins, \$4.00; 1-lb. tin, 80c. 12 ½-lb. tins to case, \$4.45; 6 ½-lb. tins, \$2.50; ½-lb. tin, 50c.

NICO-FUME LIQUID. An effective vaporizing liquid. 1 lb., \$2.45; 4 lbs., \$6.55; 8 lbs., \$11.25.



Ready Filled Set

Kills Ants in the Nest

ANTROL

Antrol is easy to use, economical, safe around children and pets. Consists of small glass containers from which worker ants carry special Antrol syrup to their nests for food. The whole ant family is quickly killed at the source—the only way to get permanent relief. Antrol containers are heavy glass, with rust-proof aluminum lids. Controls both sweet and grease-eating ants.

Ready Filled Sets, containing 4 filled feeders, 40c.

Syrup, 4-oz. bottle, 20c.

Extra glass containers, 10c each.



Antrol Ant Traps

Kills both sweet and grease-eating ants as it contains 2 kinds of specially prepared materials, ready to use by simply punching out the perforations on the side of the can. Antrol Ant Traps, 10c each.

Buckeye Antube. Economical—Safe—Quick. Used by most all Country Clubs. Household and garden size, 35c. Country Club size, \$1.00 per tube; \$9.25 per doz. tubes.

Stanley's Crow Repellent

The most effective way to prevent crows and other birds from pulling corn is to treat the seed with something that is repellent to them. Stanley's Crow Repellent is excellent for this purpose. The material is non-poisonous, easy to apply, will not injure seed of any kind and will not clog any planter. Directions for treating seed on each can.

½-pt. can, 60c. (Enough for 1 bu. corn.)

1-pt. can, \$1.00. (Enough for 2 bus. corn.)

1-qt. can, \$1.75. (Enough for 4 bus. corn.)

Mailing weight, each 2 lbs.



GO - WEST Insect Bait

"The Apple BAIT That Insects Take"

GO-WEST is the most alluring BAIT known to insects—they really go for it in a big way and die.



Combats and Kills

CUTWORMS, SLUGS, SOWBUGS, SNAILS, EARWIGS, WEEVILS and other insects with similar leaf-eating habits.

Goes Far—Costs Little

Garden Size, treats 400 sq. ft. . . \$0.60

Medium Size, treats 2000 sq. ft. . . 2.00

Market Size, treats 4000 sq. ft. . . 4.50

Half-Acre Size, treats ½ acre . . 15.00

PROTECTS GARDEN CROPS

SNAROL. Cutworms, slugs, snails, grasshoppers, and other annoying pests are quickly exterminated by this amazing preparation. Snarol is a ready prepared meal that you simply broadcast on the ground under the flowers and plants. 1-lb. carton, 25c; 2½-lb. carton, 50c.

SUDBURY HOUSEHOLD AND GARDEN INSECT KILLER. Contains 10% D.D.T. Effective in controlling fleas, bedbugs, roaches, ants, ticks, lice, moths and many garden insects. Everyone wants D.D.T. in powder. Price: Cone, 50c.

EVER GREEN GARDEN SPRAY. Contains only pyrethrum and is an outstanding garden spray. Non-poisonous. Kills both chewing and sucking insects. 1-oz. bottle, 35c; 6-oz. bottle, \$1.15; 1-pt. bottle, \$2.45; 1-qt. bottle, \$4.10; 1-gal. bottle, \$12.60.

Insecticide, Fungicide and Plant Stimulant in One Spray



We highly recommend TRI-GEN for your roses—it not only protects them against all fungus diseases and insect pests, but it stimulates vigorous plant growth and assures healthy green foliage and luxuriant blooms.

"E" Kit, \$0.90

"A" Kit, \$1.50 "B" Kit, \$ 4.00

"C" Kit, 6.00 "D" Kit, 20.00

INSECTROGEN. Kills most leaf-eating insects. Recommended to be used with Fungtrogen on roses and other plants. 4 ozs., 60c; ½ pt., \$1.00; 1 pt., \$1.75.

FUNTROGEN. For mildew and black spot on roses and other plants. 4 ozs., 45c; ½ pt., 75c; 1 pt., \$1.25; 1 qt., \$2.00; 1 gal., \$6.00.

TEROGEN. Autumn-winter ground dressing and soil disinfectant, kills the larvae of insects, such as rose-pith borer, rose bugs, Japanese beetles, aphids and ants. 1-lb. tin, 75c; 2-lb. tin, \$1.25; 5-lb. tin, \$2.75.

MOLOGEN. (In powder form.) Will in no way injure the grass or soil. Eliminates moles from lawns within 2 or 3 days. ½-lb. can, 50c; 1½-lb. can, \$1.25; 5-lb. can, \$4.00.

Crow-Fez

Crow-Fez for use on seed corn gives the surest protection against corn pests. It protects corn during the period when it is most easily damaged, by ridding your fields of crows and other corn-pulling birds and rodents. It also helps seed rot and hastens germination.

½-pint can (enough for 1 bushel) \$0.40

1-pint can (enough for 2 bushels)60

1-quart can (enough for 4 bushels)90

Mailing weight, each 2 lbs.

Remedies for Insects, Fungus, Etc.

BLACK LEAF 40. (Nicotine Sulphate, Nicotine 40 Per Cent.) Is the best known remedy for potato lice, thrips, leaf hoppers, etc., and other similar insects. Use about 1 to 1000 or 1 oz. will make 6 gallons of solution. 1 oz., 36c; 5 ozs., \$1.05; 1 lb., \$2.50; 2 lbs., \$3.70; 5 lbs., \$6.90; 10 lbs., \$11.65; 50-lb. drum, \$47.00.



ACME SPRAY SOAP. For destroying insects on plants, etc. 1-lb., 35c; 5 lbs., \$1.50; 10 lbs., \$2.50.

TREE TANGLEFOOT. A safeguard against gypsy, brown-tail and tussock moth, canker worm, ants and all creeping things. 6 ozs., 45c; 1-lb. can, 80c; 5-lb. can, \$3.75; 10-lb. can, \$7.00; 25-lb. pail, \$15.00.

GRAFTEX. Scientific grafting compound. An ever-plastic compound. Endorsed by leading tree surgeons and agricultural authorities. 1/2-lb. can, 50c; 5-lb. can, \$4.25 each.

GRAFTING WAX. Prices: 1/4 lb., 25c; 1/2 lb., 35c; 1 lb., 55c.

CREOSOTE FOR GYPSY MOTHS. For the destruction of the eggs of gypsy moth. Qt., 50c, shipping weight 3 lbs.; gal., \$1.25; weight 9 lbs.; 5-gal. can, \$4.50.

CABOT'S TREE HEALING PAINT. 1 qt., 45c; 1 gal., \$1.15; 5 gals., \$4.50. Barrel lots, price on request.

COAL TAR. For tarring corn to prevent crows from pulling it. 1/2 pt., 15c; 1 pt., 25c; qt., 35c. Shipping weight 2 lbs. and 4 lbs.

WILSON'S O. K. PLANT SPRAY. An excellent general contact spray for garden or greenhouse. Dilute 1 qt. to 10 gals. water. Kills aphid, thrip, red spider, lace wing fly on Rhododendrons, box mite, currant worms, etc. Prices: 1/2 pt., 40c; 1 qt., \$1.00; 1 gal., \$3.00; 5 gals., \$12.00.

IN-A-MINUTE. Will destroy bugs, roaches and similar vermin. Used for cleaning clothing, ink stains, etc. Price: 14-oz. bottle, 50c.

GENERAL STOCK AND HOUSEHOLD SPRAY. A stainless stock spray. Will not taint milk or discolor the hair. Is non-carbolic. Has pleasant odor. Kills flies, moths, lice, etc. Price: 1-gal. can, \$1.35; 2-gal. can, \$2.50.

DOLGE WEED KILLER. Kills all growth on tennis courts, walks and drives. Destroys ivy, etc., on walls, fences and courtyards. 1-qt. can (enough for 10 gals.), 75c; 1-gal. can (enough for 40 gals.), \$1.85; 5-gal. can (enough for 200 gals.), \$8.00; 10-gal. can (enough for 400 gals.), \$14.00; 30-gal. bbl. (enough for 1200 gals.), \$33.00; 55-gal. bbl. (enough for 2000 gals.), \$48.95.



FORMALDEHYDE. (Hammond's.) Stabilized Formaldehyde Dust seed and soil disinfectant used as a control of damping off. 1-lb. can, 85c; 5-lb. can, \$2.50; 25-lb. drum, \$10.00.

FORMALDEHYDE. (Liquid.) Prevents potato diseases and insures a big, healthy crop. 1 lb., 45c.

PARIS GREEN. A poisonous insoluble powder, for preventing the ravages of potato-bugs, codling moth, caterpillars, slugs. Mix 1 pound to 100 pounds of plaster, or 200 gallons of water. 1 lb., 55c; 1/2 lb., 30c; 1/4 lb., 20c.

PINE TAR. Used in the stable for cuts and bruises. 1/2 pt., 20c; pt., 30c; qt., 40c.

SEMESAN. The modern seed disinfectant for all agricultural purposes. Full directions with each can. Circulars mailed upon application. 2-oz. can, 40c; 12-oz. can, \$1.88; 4-lb. can, \$9.10.

SEMESAN JR. For sweet and field corn diseases. 12-oz. can, 56c; 6 1/4-lb. can, \$3.75.

SEMESAN BEL. For bulbs, roots, and tubers. 2-oz. envelope, 30c; 1-lb. can, \$1.65; 4-lb. can, \$5.70. Semesan being a poisonous disinfectant is not available.

SPECIAL SEMESAN. A fungicide for golf and lawn turfs. 6-lb. can, \$9.35; 25-lb. drum, \$36.00; 100-lb. drum, \$135.00.

TOBACCO DUST. In 1-lb. package for dusting plants for lice, etc. 1-lb., 25c; 5 lbs., 65c.

ANT-X-JELLY BAIT. Ants like the taste of ANT-X, but it is "THEIR LAST MEAL." They carry it back to their nests—destroys the whole colony. Handy, convenient tubes. 1 oz., 35c; 4 ozs., \$1.00.

ANT-X ANT TRAPS. A safe, sanitary method of controlling ants in house and garden. Attracts and destroys both sweet and grease-eating ants. Cannot be opened by children or spilled by pets. ANT-X TRAPS may be placed inside iceboxes or other food containers without contaminating foods. "THEIR LAST MEAL." 25c each.



SLUG SHOT. A fine powder used for potato bugs and other insects. Recommended for cabbage worms. 5-lb. pkg., \$1.20; 1-lb. pkg., 30c.

GRAPE AND ROSE DUST. A readily diffusible, light weight powder fungicide, very effective in destroying powdery mildews and in preventing blights in greenhouses or in the open. Price: 5-lb. pkg., \$1.25; 1-lb. pkg., 35c.

CARBOLINEUM. Of the numerous preservative compounds on the market Carbolineum stands alone as time-tried and thoroughly tested. Gallon can, \$1.50, weight 11 lbs.; 5-gal. can, \$6.25.



RED ARROW INSECT SPRAY. Effective and non-poisonous. Will not stain or injure tender flowers. A contact spray that will kill both sucking and chewing insects.

1-oz. bottle, 35c; 4 ozs., \$1.00; 1 pt., \$2.85; 1 qt., \$5.00; 1 gal., \$17.00.

HAMMOND'S WEED KILLER. Weeds, poison ivy and all vegetation are easily destroyed with this highly concentrated (stands dilution with 40 parts of water) easy-to-use material. Price: 1-qt. bottle, 50c; 1-gal. can, \$1.50; 5-gal. can, \$6.25.

Acme Wettable Dusting Sulphur

An improved dusting sulphur for home use which can also be used as liquid spray. Recommended to control mildew, leaf spot, black spot and rust on rose bushes, snapdragons, etc. 2-lb. carton, 30c each.

"OLETIME" WOODSMAN'S FLY DOPE. The Sportsman's Pal. For mosquitoes, black flies, sand fleas, deer flies, No-see-ums. Used by farmers, gardeners, lumbermen, fishermen, porch sitters. Price: 3-oz. bottle with 20-in. red bandana, 65c; 3-oz. bottle, only 50c; 2-oz. bottle, 25c.

SUNOCO Spray Oil

For scale insects, aphid and red mite on apple trees. The ideal petroleum spray is an oil that will form a perfect and permanent mixture with water. 55-gal. steel drum, per gal., 41c; 2 drums or more, 39 1/2c per gal.; 5-gal. can, per gal., \$1.20; 1-gal. can, per gal., \$1.50.

SCALECIDE. The quality miscible oil. Dormant spray for trees, shrubs and vines. Used by leading fruit growers. Kills scale, insects, eggs, larvae and disease cankers and fungus spores wintering on the plant. Mixes instantly—dilute 1 to 15. 1 qt., weight 3 lbs., 75c; 1 gal., weight 9 lbs., \$1.75; 5 gals., \$6.35; 15 gals., \$14.95; 30 gals., \$23.75; 50 gals., \$32.90.

SULFOCIDE. A concentrated liquid sulphur fungicide. Used on both apples and peaches and all kinds of fruits, vegetables and flowers. Controls apple scab, brown rot of peaches, plums and cherries, blight and rot of potatoes, tomatoes, and melons. Used for mildew and rust on flowers and shrubs. Prices: 1 pt., 60c; 1 qt., \$1.00; 1 gal., \$2.50; 5 gals., \$8.25; 15 gals., \$20.35; 30 gals., \$36.50; 50 gals., \$55.00. Packages not returnable.

CYANOGAS ANT KILLER. Ants die instantly when you drop a little Cyanogas Ant-Killer into the entrance of the nest. This 4-oz. size contains enough Cyanogas to kill a million ants. 4 ozs., 30c.



Carbola Paints and Also Disinfects

CARBOLA WITH DDT. Carbola is a white paint and powerful disinfectant combined in powder form. Easily and quickly applied to building interiors with brush or spray pump. Disinfects and dries pure white. Price: 1 lb., 25c; 5-lb. pkg., 80c; 10-lb. pkg., \$1.35; 25-lb. carton, \$3.00; 50-lb. carton, \$5.50.

TOPZOL RAT BAITS. Kills rats and mice only. Safe, economical and simple to use. Pkg., 15c.

DOG-O-WAY. Keeps dogs away from evergreens and other plants. Harmless to children, plants and animals. Simply dust on foliage. Large size pkg., 35c.

Liquid CHAPERONE

New outdoor dog repellent. "More effective than any other material for repelling dogs," reports a leading State Agricultural College. A wonderful dog repellent that is not dissolved by rain. Harmless. Long lasting. Ends the dog nuisance in your garden. Try it when other materials have failed. Liquid Chaperone, full 12-oz. size, \$1.00; 4-oz. bottle, 50c.

Liquid Chaperone has also proven effective for keeping rabbits and other rodents out of Victory Gardens. Specify Rabbit Chaperone.



Remedies for Insects, Rodents, Fungus, Etc.

FLY CONTROL WITH D.D.T.

The value of DDT as an insecticide to kill flies lies principally in its residual action, that is, it remains effective for a long period of time after it is applied. There are many other insecticides that kill flies quicker than DDT, for instance, Pyrethrum, but they have no residual value. Therefore, it must be remembered that to make DDT effective as a killing agent, one must build up, or leave on surfaces, a deposit of DDT; the heavier the deposit, the more lasting the effect.

DDT is prepared in two forms: one form, whereby it is dissolved in a solvent such as an oil or hydro-carbon solvent; and the other form whereby it is processed into a very fine powder of micron sized particles to which are added suitable wetting agents or diluents.

In general, the DDT dissolved in oils or hydro-carbons are suitable for use around the house and in rooms where it is not desirable to build up much of a deposit of DDT, and where the main object of its use is to kill what flies are present at the moment of spraying, and where a heavy residue would be objectionable. The oil formulations of DDT should not be used on animals and are not safe where extremely heavy concentrations are to be applied. They are safe if used as one would use an ordinary household spray. They can be used for spraying closets, rooms, etc. . . . although they will show some deposit of material on highly polished surfaces, or on glass.

The wettable powder is the safest and the most desirable form to use for proofing dairy buildings, milk rooms, stables and other farm out-buildings against flies. It should be applied according to the directions on the package and will give excellent satisfaction and protection against flies for long periods of time if so used.

Ross Bros. Co. offer the following materials:

CODE No. 807-B, NIATOX HOUSEHOLD FLY SPRAY, containing 5% DDT plus Pyrethrum, for use wherever such material is recommended. This is a so-called dissolved form of DDT in stainless Hydro-Carbon Solvent. It is very effective indoors and outdoors against flies, mosquitoes, gnats, etc. . . . Do not use on plants. **Niattox Fly Spray** is packed in pint cans, 35c per pint; in quart cans, 65c per quart; in gallon cans, \$2.45 per gallon.

CODE No. 805-B, NIATOX SPRAY AND DIP. A wettable powder containing 50% DDT. This is the material recommended for spraying barns, dairy buildings, farm buildings in general, and farm animals, such as cows and pigs. It will proof dairy buildings up to 3 months, and it is used at the rate of 3 lbs. to 15 gals. of water if a real, lasting, heavy depositing coverage is desirable. On animals, it is used at the rate of 3 lbs. per 90 gals. of water, and it is safe for spraying cows and pigs—see directions for same. It is packed in 24-lb. cartons, eight 3-lb. bags per carton. **Price:** 3-lb. bag, \$2.25; 24-lb. carton, \$15.00.

VOLCK OIL SPRAY. A summer oil spray and spray carrier for use against mealy bugs, scale insects, red spider and white flies on plants. (Replaces "Nursery Volck" and "Volck Nursery and Garden Volck".) 4-oz. size, 25c; 16-oz. size, 50c; 1/2-gal. size, \$1.25; 1-gal. size, \$2.25.

Pyrox Safe all-around spray for killing leaf-eating insects; prevents blight and fungous troubles on potatoes, vegetables, roses, fruit trees, etc. **Prices:** 25-lb. drum, \$5.75; 50-lb. drum, \$8.35; 300-lb. drum, \$34.50.

NICOTINE PYROX is the standard Pyrox with nicotine added to control sucking insects, as well as the chewing insects and blight. A complete spray. **Prices:** 20-oz. jar, 60c; 5-lb. drum, \$2.00; 25-lb. drum, \$6.50; 50-lb. drum, \$10.65.

K-R-O KILLS-RATS-ONLY

Mixed, \$1.00; postpaid, \$1.10. Small size **K-R-O Ready** Mixed, 35c; postpaid, 45c.

RAT-NIP. Mows them down with ease. Quickly kills even the foxiest old ones. Twenty-five years of success. Tube, 35c.



Dog-Check

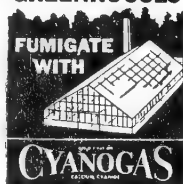
An effective proven curb to canine habits, needed by all whose neighbor's dogs "visit" and wither flowers, shrubs, hedges and saplings. One spraying usually lasts from 2 to 3 weeks. Unaffected by light rain. Season's supply, 60c; Economy size, \$1.00.

Rat-Not-Paste

Recommended for big, well-fed, elusive rats which dodge cats and traps, and are finicky in their eating habits due to easy access to tasty

garbage, and feed and food warehouses. Ideal, too, for control of chipmunks, squirrels, etc. "THEIR LAST MEAL." Packaged in handy convenient tubes. 35c per tube.

GREENHOUSES



CYANOGEN G-FUMIGANT. Scatter it over the greenhouse walks, and close the house for the night. One cent more than pays the cost of fumigating 1000 cubic feet in a greenhouse. Ask for "Cyanogas Handbook for Greenhouses and Nurseries"—contains complete directions. 5-lb. can, \$3.00; 25-lb. can, \$10.00.

ROOTONE

thus producing earlier flowering; and in the case of vegetables, earlier crops. Stops damping-off. 1/4-oz. pkt., 25c; 2-oz. jar, \$1.00; 1-lb. can, \$5.00. Add 10c for postage.

TRANSPLANTONE

Reg. U. S. Pat. Off.

TRANSPLANTONE—the vitamin-hormone plant stimulant. Just mix 1 teaspoonful to a gallon of water, then water the soil around the roots. Stimulates backward plants and regenerates roots. Use on seedlings, shrubs, rose bushes and trees. 1 oz. makes 1000 gallons solution. 1/2-oz. pkt., 25c; 3-oz. can, \$1.00; 1-lb. can, \$4.00. Add 10c for postage.



ZOTOX Crab Grass Killer

ZOTOX, a new liquid chemical, kills both the plant and seeds of Crab Grass and checks reinfestation. **Does not destroy lawn grasses** and is non-injurious to soil. Proved by four years of tests. This new easy method does away with laborious raking and weeding. Simply mix **ZOTOX** with water and spray it on. A 16-oz. bottle treats 2000 sq. ft. For "spot" treatment of small patches it goes much farther. **Prices:** 8-oz. bottle, \$1.00; 16-oz. bottle, \$1.50; 32 ozs., \$2.50; 5 lbs., \$4.50. Ask for free literature.



NOTT PRODUCTS

Rat-Nots:

A safe, scientific way to exterminate rats. Prepared bait containing Red Squill—**NOT A POISON**. Household size, 25c; Estate size, \$1.00.

Mouse-Nots:

A meaty, easily hulled, treated seed bait which appeals to the finicky taste of mice and it is "THEIR LAST MEAL." Household size, 25c; Estate size, \$1.00.

Roach-Nots:

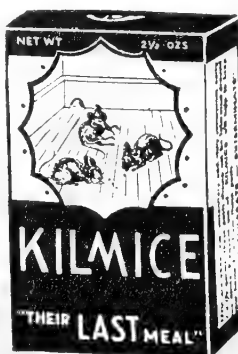
Prepared powder bait for roach pests that infest damp homes, cellars, stores, factories, warehouses. Certain to kill them in droves. Household size, 25c; Estate size, \$1.00.

Mole-Nots:

Kills moles in their holes. An attractive rodent food for these pests and will help exterminate them. Household size, 35c; Estate size, \$1.00.

Kilmice

A treated, tasty, impregnated seed bait which quickly destroys mice in house and garden. Easy to use—clean, sanitary, no mixing—no traps needed. "THEIR LAST MEAL." Large 2 1/2-oz. pkg., 25c.



Insecticides and Fungicides

NIAGARA BRAND

Important

The use of DDT in spray form or in dust mixtures should be limited to certain specific crops and for certain specific insects. DDT is a poison, and, as yet, insufficient work has been done to permit us to recommend its use on a wide program. There are two crops, however, on which DDT seems to be safe and effective: One of these is potatoes, for control of flea beetle, leaf hopper, and certain beetles; the other crop is cabbage, for control of green cabbage worm and cabbage looper. It is also effective against many species of green aphids on these crops, if used at proper strengths. We definitely do not recommend the use of DDT materials on vegetable crops, such as cucurbits, tomatoes, celery, etc. . . . unless the grower has been specifically advised by the local County Agriculture Experiment Staff or by some other competent expert in crop control measures. We definitely do not recommend its use on farm or home gardens, as Rotenone will control most insects that DDT will control, and will do it safely and economically. DDT, in some instances, is injurious to the set of vegetable-fruits—for example: Tomatoes, cucumbers.

Insecticides—Arsenicals

ARSENATE OF LEAD. A highly effective and practical insecticide for leaf-eating and chewing insects, bugs, and worms. Very valuable for the control of white grubs, worms, and certain weeds on lawns, golf courses, and other fine turf areas. Can be dusted on or applied in water suspension. 1-lb. bag, 35c; 4-lb. bag, 85c. Get our prices on larger quantities.

CALCIUM ARSENATE. A deadly poison especially recommended for potato bugs and chewing insects on certain other vegetable crops. Can be dusted or applied in water suspension as a spray. 4-lb. bag, 60c. Get our prices on larger quantities.

PARIS GREEN. A poisonous insoluble powder, for preventing the ravages of potato-bugs, codling moth, caterpillars, slugs. Mix 1 pound to 100 pounds of plaster, or 200 gallons of water. 1-lb., 55c; ½ lb., 30c; ¼ lb., 20c.

Rotenone Insecticides

(Non-Poisonous to Animals and Humans)

NEU-ROTE. (Niagara's.) A rotenone-bearing liquid spray. Harmless to humans and animals—kills chewing and sucking insects such as aphids, leaf hopper, beetles, worms, etc.; safe to use on tender foliage. We recommend this to you as one of the most effective insecticides for use on all plants. Users say: "It kills everything but the plant." 1-oz. bottle, 35c; 5-oz. bottle, \$1.00; 12-oz. bottle, \$2.00; 32-oz. bottle, \$4.80; 1-gal. can, \$10.95; 5-gal. drum, \$47.00.

Rotenone - Dusts

CODE 546 RO-KIL 50. A specially processed and highly toxic .5% rotenone dust for the control of bean beetle, flea beetle and other insects attacking crops on which the use of rotenone is not restricted by government regulation. 50-lb. bag, \$6.00 each; 5-lb. bag, \$1.00 each.

CODE 353 ROTENONE-TALC DUST. Containing .75% rotenone. This is a straight rotenone dust with talc filler. 50-lb. bag, \$7.00 each; 5-lb. bag, \$1.25 each. Prices on lots of 100 lbs. or over on request.

CODE M536. A rotenone dust containing neutral copper (copper oxychloride sulfate) and .5% rotenone. Especially recommended for tomatoes for control of blight and insects, also for use on other vegetable crops such as squash, melons, cucumbers, beans, etc. Packed in 50-lb. bags. Price: Per 50-lb. bag, \$7.25 each.

DDT Spray and Dust Materials

CODE 806 NIATOX CROP SPRAY. This is a highly effective formulation of 50% DDT for use as a spray, either alone as an insecticide, or in combination with a fungicide for control of insects and diseases. Use it at the rate of 2 lbs. per 100 gals. for control of flea beetle, leaf hopper, etc. . . . on potatoes, and for control of cabbage worm on cabbage, or, wherever a DDT Spray is recommended for control of crop insects. On potatoes, we recommend the addition of C. O. C. S. Spray as a fungicide to DDT. Price: \$15.00 per 24-lb. carton, packed eight 3-lb. bags each; \$2.25 per 3-lb. bag.

CODE 813 NIATOX No. 3 DUST. Contains 3% DDT and is especially formulated to be used as a dust for control of insects alone wherever DDT is recommended. Price: \$8.45 per 100 lbs.

CODE 814 NIATOX No. 5 DUST. Contains 5% DDT, and is recommended for control of certain insects, such as aphids, codling moth, etc. . . . where a 3% dust is not quite strong enough. Price: \$10.85 per 100 lbs.

CODE 827 C. O. C. S. NIATOX No. 3 DUST. This material is especially formulated for use on potatoes for control of blight and insects. To all potato growers we recommend this material as it has given excellent control of flea beetle, leaf hopper and aphids where properly used. Begin dusting at the first sign of flea beetle, and before any injury has taken place. Dust every 10 days, or more frequently if the weather requires same. \$10.55 per 100 lbs.

Special Potato Spray Materials

NIAGARA POTA-TOX. 42-lb. cartons (6 7-lb. bags.) Great for killing bugs. Also contains copper fungicide for blight control. Mixes perfectly in any kind of sprayer. Use 7 lbs. per 100 gallons of water. Price: Per carton, 42 lbs., \$4.95; per 7-lb. bag, \$1.00.

DUO-BORDO. Makes a real Bordeaux Mixture. Packed in 50-lb. cartons consisting of 5 bags of bluestone and 5 bags of lime—enough for 250 gallons of spray. Price: Per 50-lb. carton, \$4.75.

Fungicides—Copper Sprays for Potatoes and Vegetables

DRY BORDEAUX POWDER. For preventing blight on grapes, potatoes and other crops that are subject to rust, mildew and black rot; applied dry with bellows. 1-lb. canister, 35c; 4-lb. bag, 85c. Get our prices on larger quantities.

C.O.C.S. SPRAY. (Copper oxychloride sulphate base.) A highly effective neutral copper spray, especially recommended for tomatoes, cucumbers, melons. Also used on potatoes, celery, grapes, for control of fungous diseases. Contains twice as much metallic copper as Dry Bordeaux. Use from 3 to 4 lbs. per 50 gallons water. Prices: 48-lb. carton (16 3-lb. bags), \$10.00; per 3-lb. bag, 90c; also 1-lb. bags, 45c each.

Caustic Sulphur Sprays

CONCENTRATED LIQUID LIME-SULPHUR kills San Jose scale, oyster shell, etc. An easily prepared spray which should be applied to trees any time between the autumn falling of leaves and the spring budding. It destroys growths injurious to the tree without in any way harming the tree itself. Simply dilute with water and apply. 1 gallon of Lime-Sulphur makes 10 gallons of spray. 1 qt., 50c; weight 3 lbs.; 1 gal., \$1.20, weight 12 lbs.; 5 gals., \$4.40; 50-gal. barrel, price on application.

LIME-SULPHUR. (Dry.) Used for the same purpose and has the same effectiveness as the liquid form and is much easier to handle. 1-lb. cans, 35c; 5-lb. cans, \$1.35; 25 lbs., \$3.75; 100 lbs., \$10.00; 200 lbs., \$9.25 per 100.

Organic Fungicides

PURATIZED. A new organic fungicide especially recommended for control of apple scab on pre-pink, pink and calyx applications. Use 1 pint per 100 gallons of water. Packed in pint and gallon containers. Price: 1 pint, \$1.50; 1 gallon, \$11.50.

PURATURF. A new organic fungicide for control of turf diseases, such as brown patch, dollar spot, etc. Packed in ½ pint and ½ gallon bottles. To be diluted for wetting grass at the rate of ½ pint to 50 gallons of water. Price: ½ pint, \$1.65; ½ gallon, \$12.00.

Fungicides—Copper Dusts With and Without Poison

C.O.C.S. COPODUST. Fungicide only. Contains the highly effective neutral copper, copper oxychloride sulphate, plus an inert carrier. Contains no lime. Especially recommended for dusting tomatoes, cucumbers, melons, etc., also used on potatoes, celery, for control of blight. Can be dusted when plants are dry or wet. Will not burn. Price: 50-lb. bag, \$3.70 each; 5-lb. bag, 65c each.

C.O.C.S. COPOTEX. Contains the same form of neutral copper as C.O.C.S. Copodust but with the addition of calcium arsenate to control potato bugs. Price: 75-lb. bag, \$7.30 each; 5-lb. bag, 85c. (On crops that are susceptible to arsenical injury as melons, cucumbers and tomatoes, we would recommend a special neutral copper dust such as Cucurbit Dust in place of C.O.C.S. Copotex.)

CUCURBIT DUST. Best all-purpose dust for cucumbers, melons, squash. Controls striped cucumber beetle and other rasping or chewing insects. Also controls blight and mildew. Price: 50-lb. bag, \$4.00; 5-lb. bag, 85c.

COPODUST. The new, exclusive Niagara copper-lime fungicide for potatoes and other field crops. Price: 50-lb. bag, \$3.70 each.

COPOTEX. The new, exclusive Niagara copper-lime dust for field crops, with poison added, for potato bugs, etc. Price: 75-lb. bag, \$7.30 each.

VITIDUST. The new, exclusive Niagara copper-lime dust for apples and grapes, used to control disease and chewing insects. Per 100 lbs., \$8.50.

CODE M453 COPPER KOLODUST. A special dust for use on celery to control blight and tarnish plant bug. Non-poisonous. May also be used on ornamentals for control of blight, leaf spot, and mildew. Packed in 100-lb. bags. Per 100 lbs., \$9.85.

Dusters—Insecticides and Fungicides

Niagara Brand

Hormone Anti-Drop Materials

NIAGARA-STIK. A new "Hormone Anti-Drop Spray." Use ¼ lb. of Niagara-Stik to 100 gallons of water. The powder wets easily and may be used in any type of water. ¼-lb. can, \$1.50; 6-lb. case (24 ¼-lb. cans), \$28.80.

NIAGARA-STIK DUST. Used for same purpose as Niagara-Stik spray, to prevent drop of ripening fruit. Packed in 50-lb. bags. Price: \$16.00 per 100 lbs.

Nicotine Dusts

A-1 NICOTINE DUST. 3% nicotine—for control of sucking insects such as aphids, red bug, pear psylla, leaf hopper, etc. Per 100-lb. container, \$12.25.

P. A. NICOTINE DUST. 4% nicotine—especially recommended for pea aphids and aphids on squash and cucurbits. Per 100-lb. container, \$16.25.

Dormant and Delayed Dormant Oil Sprays

EMULSO OIL SPRAY. 83% Oil Emulsion. A highly potent dormant oil spray for control of certain insect eggs, scale, etc.; contains rotenone for extra effectiveness. Safe to use at dormant or delayed dormant stage on apples, pears, or wherever dormant oil sprays are indicated. Price: 50-gal. steel drum, 49c per gal.

PENINSULAR OIL SPRAY—83% Oil Emulsion. A popular, safe and stable oil emulsion spray for use on apples, pears, etc., at dormant or delayed dormant stage. Price: 50-gal. steel drum, 40c per gal.

NIAGARA MISCIBLE OIL—97% oil. A free-flowing oil which mixes readily with water and is for use as an oil spray in dormant stage on apples, pears, etc. Use 3 gals. per 100 gals. of water. Packed in 50-gal. steel drums, 50c per gal.

DINITRO DRY. A spray material for dormant use only in combination with oil sprays—especially recommended where it is desirable to control aphids eggs and bud moth in the dormant stage. Use 1¼ to 2 lbs. per 100 gallons water plus 2 to 3 gallons spray oil. Price: 6-lb. fibre carton, \$3.90.

Fungicides

Sulphur Sprays and Dusts for use on apples, peaches and wherever sulphur or sulphur and arsenicals are indicated to prevent disease or control chewing insects.

KOLOFOG. A highly effective fused bentonite-sulphur spray for use on apples and peaches replacing lime-sulphur solution following dormant or delayed dormant use. Because of its great adhesiveness, it makes an excellent carrier for arsenate of lead. It is non-caustic and is especially recommended for the pre-blossom, calyx and first cover sprays. In the latter sprays where the excellent sticking qualities of Kolofog may be objectionable, we recommend the use of Kolospray. Price: 48-lb. carton (8 6-lb. bags), \$4.75; 6-lb. bag, 75c.

KOLOSPRAY. A wettable sulphur of micron fineness fortified with fused bentonite-sulphur to improve covering qualities and effectiveness of the wettable type of sulphur. One of the best so-called wettable sulphurs on the market. Price: 50-lb. bag, \$3.75; 100 lbs., \$7.00. Packed also 10 5-lb. bags per carton, per 100 lbs., \$8.00; per 50-lb. carton, \$4.25; per 5-lb. bag, 60c.

NIAGARA KOLODUST. The new exclusive NIAGARA dust that "sticks through rain and wind." This is a fungicide only, used in the control of diseases on fruit and flowering plants. Per 100 lbs., \$5.45. Packed in 50-lb. bags.

NIAGARA KOLOKIL. The new exclusive NIAGARA sulphur and poison dust containing large percentage of arsenate of lead. This material is used wherever extra heavy ravages of chewing insects prevail; also in controlling such diseases as may be present. Per 100-lb. bag, \$7.50.

KOLOKIL SPECIAL. The new exclusive Niagara sulphur and poison dust containing extra large percentage of arsenate of lead. This material is recommended where codling moth and gypsy moth are especially troublesome in apple orchards. Per 100-lb. bag, \$8.60.

KOLO M550 DUST. An especially heavy depositing Lead Arsenate Dust with low sulphur content, for use late in the season for codling moth control. Price: \$8.40 per 100-lb. bag.

CODE 841 KOLO M555 NIATOX 5 DUST. Contains 5% D.D.T., plus 20% lead arsenate and sulphur. Recommended for use in Apple orchards where D.D.T. is needed to control codling moth. Packed 100-lb. bags, \$12.20 cwt.

Peach Sprays and Dusts

CODE J-98 ZINC-KOLO-WETTEX. For control of curculio, brown rot and scab on peaches. Use 8 1/3 lbs. per 100 gals. water and add 10 lbs. spray lime. Packed 50-lb. carton, 6 8 1/3-lb. bags. Price per carton: \$6.25; per 8 1/3-lb. bag, \$1.25.

CODE 300 NIAGARA 300 DUST containing sulphur for brown rot and petroleum oil for Oriental peach moth control. Packed 50-lb. bags. Price: Per 100 lbs., \$4.75.

CODE 829 KOLODUST NIATOX 5 DUST. Contains 5% D.D.T. For control of Oriental fruit moth. Price: \$11.70 per 100 lbs.



Pomo-Green

The Leaf Green ALL-IN-ONE
Dust or Spray

"The best all-purpose dust or spray for roses and other flowering plants and shrubs. Highly effective in the control of black spot and mildew as well as chewing and sucking insects. This fine powder is dyed green so as not to discolor the foliage when used as a dust or when mixed with water and used as a spray. Highest rating in effectiveness against black spot and mildew in test conducted by the American Rose Society."

PRICE:

1-lb. jar Pomo-Green with nicotine	\$ 0.80
5-lb. jar Pomo-Green with nicotine	3.30
25-lb. drum	13.00
100-lb. drum	41.00

ATTENTION HOME GARDENERS

The materials listed below are especially packaged and prepared for your use in vegetable gardens and flower gardens.

Victory Garden Dust or Spray

"The Best Buy"

For Control of Insects and Diseases on Garden Crops

Contains nicotine and a stomach poison for control of insects and a neutral copper for control of certain mildews and fungous diseases. Safe—effective—inexpensive. 1-lb. bag, 25c; 4-lb. bag, 60c.

Niagara Vegetable Garden Dust or Spray

A general purpose all-around material that can be dusted on the plants or mixed with water and sprayed. Just exactly the correct combination of Bordeaux and calcium arsenate to do the job. 1-lb. canister, 40c; 4-lb. bag, 85c.

Niagara Rotenone

(Non-poisonous.) Dust or spray. The safest bug-killing dust or spray. A combination of rotenone and pyrethrum with a smooth, fast dissolving carrier. 1-lb. canister, 40c; 4-lb. bag, 95c.

Niagara Bean Beetle Destroyer

Dust or spray. This material contains sufficient magnesium arsenate to "knock them dead" without burning the foliage. 1-lb. canister, 35c; 4-lb. bag, 75c.

Niagara C.O.C.S. Rotenone-Bearing Dust or Spray

Contains copper for control of blight and rotenone for control of insects. This is a safe non-poisonous fungicide and insecticide for use on most vegetable crops, cucumbers, melons, squash, tomatoes, beans, etc. 1-lb. bag, 40c; 4-lb. bag, \$1.00.

Spreaders and Spray Conditioners

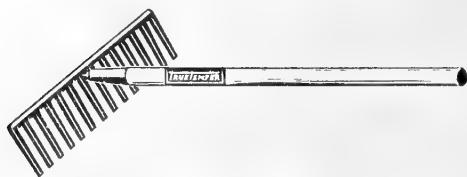
NIAGARA COLLOIDAL SPREADER. With all combinations of sulphur fungicides and arsenicals, Colloidal Spreader improves the spread, increases the efficiency of the arsenical in the spray and aids in the prevention of arsenical injury. Use ½ lb. to 100 gals. of spray. When water is exceptionally hard, use 1 lb. to 150 gals. of spray. 1-lb. bag, 30c; 25 1-lb. bags, 25c per bag; 50 1-lb. bags, 23c per bag.

NIAGARA SPRAYSPRED. The new super-spreader. A little goes a long way. Use ¼ pint to 100 gallons of water. Assures even coverage, prevents excessive run-off when used at proper dilutions, mixes easily with all types of water, and can be combined with all types of spray materials. Price: 1-gal. tins, \$8.55; 5-gal. drums, \$41.50.

Farm and Garden Tools

We are listing a few Garden and Farm Tool items which we expect will be available this season.

Steel Garden Rake



LEVEL HEAD

14 Straight Teeth—Long Ferrules

No. T14.	True Temper, 5½-ft. handle	Each	\$1.35
No. X14.	True Temper Heavy Road Rake	Each	2.00

Hay Fork



Regular 3-Tine; Tubular Ferrules; Bent Handle; 13-inch Oval Tines

No. 0133½B.	¾-ft. handle	Each	\$1.75
No. 0134B.	4-ft. handle	Each	1.75
No. 0134½B.	4½-ft. handle	Each	1.85
No. 0135B.	5-ft. handle	Each	1.95

Manure Fork



Five-Tine; Tubular Ferrules—13-inch Tines

No. 054.	True Temper, long handle, 4-ft.	Each	\$2.10
No. 05D.	True Temper, 32-inch bent D handle	Each	2.25
No. 06D.	True Temper, 32-inch bent D handle. 6-tine.	Each	2.45

Ensilage or Barn Fork



16-inch Oval Tines—30-inch Bent D Handles

No. 508.	True Temper, 8-tine	Each	\$3.45
No. 510.	True Temper, 10-tine	Each	3.70

Stone or Ballast Forks

30-inch Bent D Handles—10-inch Tubular Ferrules

No. 98S.	8-tine True Temper	Each	\$3.50
No. 102S.	12-tine True Temper	Each	4.70

Speedy Cultivator

Four Teeth—4 1/3 ft. Handle

No. SC4.	True Temper	Each	\$1.20
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Grass Scythes

Mailing weight, 3 lbs.

Cloverleaf	Each	\$1.95
Little Giant	Each	2.00
Swedonian	Each	1.65

Bush Scythes

True Temper	Each	\$2.25
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Scythe Snaths

No. 50.	Ash Grass	Each	\$1.95
No. 105.	Bush Snaths	Each	2.25

True Temper Coke Forks

No. 710.	10 tines, 1¼ in. between tines	Each	\$4.00
No. 712.	12 tines, 1¼ in. between tines	Each	4.70

Bush Hooks

No. 1130.	Collins, with 36-in. Handle (3 lbs.)	Each	\$2.25
	Little Giant Combination Axe and Hook	Each	2.50

Cattle Cards

No. 444.	Small special fiber. 5¼x3½	Each	\$0.30
Postage extra, 5c each.			

Four-Tine Spading Fork



12-inch Tines; Approximate Width 7½ inches; 30-inch I. D. Handle

No. MS.	True Temper	Each	\$1.60
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Meadow Hoe



Long Socket Pattern; 3½ inches Deep; 4 1/3-ft. Handle
 No. M08. True Temper Blade. 8 inches wide ... Each \$1.25
 No. M09. True Temper Blade. 9 inches wide ... Each 1.35

Square Top Onion Hoe

4 1/3-ft. Handle; Blade Width 7 inches; Blade Depth 1¾ inches.

No. S71¾	Each	\$1.25
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Corn Hoe

4 1/3-ft. Handle; Blade Width 8½ inches; Blade Depth 2¾ inches.

No. CT08½	Each	\$1.50
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Turf Edger (Flat Top)

4-ft. Handle; Blade 9 inches Wide; 4¾ inches Deep.
 No. 040F ... Each \$1.35

Potato Hooks



Long Ferrules—4 1/3 ft. Handle; 7-inch Tines; Goose Neck Pattern

No. 5GNR.	5-tine, True Temper	Each	\$1.70
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Mortar Hoes

Shank Pattern, 5½-ft. Handle

No. 9.	9-inch, True Temper	Each	\$2.00
No. 10.	10-inch, True Temper	Each	2.10
No. 210.	10-inch, True Temper, with 2 holes	Each	2.10

Scuffle Hoe

(Push or Pull)

2½ inches Deep; 8 inches Wide; 5-ft. Handle

No. XGS5.	True Temper	Each	\$1.85
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Wooden Rakes

No. 05.	Hay Rake, 14 teeth	Each	\$0.95
No. 39.	Lawn Rake, 28 teeth	Each	1.25
Drag Rake		Each	2.50

Peter Pulverizer

Peter Pulverizer is an adjustable garden cultivator. Five enameled 9-inch tines. Hardwood 4 1/3-ft. handle. An efficient, easy-to-operate and time-saving tool for pulverizing clods, breaking caked earth, weeding, raking and cultivating various widths of garden rows. Here's the answer to Gardeners for an all-purpose cultivator. Price: \$2.00.

Gardex Garden Tools

No. 251.	14-tooth Gardex Rake	Each	\$1.00
No. 906½.	Garden and Field Hoe	Each	.75
No. 751.	Gardex Dibble	Each	.85
No. 1523.	3-prong Cultivator and Weeder	Each	1.25
No. 1605.	5-prong Cultivator	Each	1.50

Grass Hooks

No. 1½. Champion	Each	\$0.60
Nawatoco	Each	.60
Nolin's	Each	.85
Mailing weight, 2 lbs.		

Cant Dogs

ROUND BILL

3 ft. x 2¾	Each	\$3.25
3½ ft. x 2¾	Each	3.35
4 ft. x 2¾	Each	3.50

MICHIGAN PATTERN

3½ ft. x 2¾	Each	\$3.85
4 ft. x 2¾	Each	4.15

Farm and Garden Tools

No. 12 Planet Jr. Double and Single Wheel Hoe

Price, \$12.95



Planet Jr. Double Wheel Hoes are almost universally used by professional vegetable growers. They will straddle the crop, hoeing both sides of the row at once and until the plants are 20 inches high. The No. 12 includes all the equipment usually required for gardening—a pair of hoes for shallow cultivating and weeding, four steel cultivator teeth for general cultivation and a pair of plows for hill-ing, furrowing, etc. A long bolt and ferrule are furnished for changing to a single wheel hoe for later cultivation.

No. 16 Planet Jr. Single Wheel Hoe

Price, \$10.25



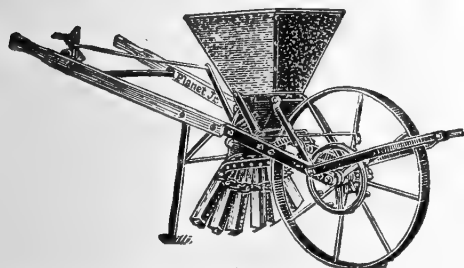
Planet Jr. Single Wheel Hoes are light, easily handled and do beautiful work. They are all steel except the handles—practically indestructible. Handles are adjustable for any height. No. 16 includes all equipment usually required in a garden—hoes for weeding and shallow cultivation—three steel cultivator teeth for general cultivation—a plow for furrowing, ridging, etc.—one 3-tooth and one 5-tooth rake for fine cultivation, raking, etc.

No. 17 Planet Jr. Single Wheel Hoe—\$8.95

This is exactly the same machine as the No. 16 except that it does not have the leaf guards or the rakes. It is the most popular single wheel cultivator for home garden use.

No. 220 Planet Jr. Fertilizer Distributor

Price, \$31.50



Capacity 1 bush-el. Will distribute from 200 to 2000 pounds of commercial fertilizer to the acre. Six adjustable spouts spread it from 4 to 30 inches. Equipment includes plates for closing up four spouts or two or three spouts on either left or right

side. Hopper placed well forward over wheel making light load and easier pushing. Feed can be opened and closed without stopping. Positive agitation.

The H.K.P. Forester Pruner



The Forester has a patented slide-shift power slot. Powerful and ruggedly built for lifetime use. Each
No. 2. 27 in. long, capac. 1½ in. Weight 4 lbs. 10 ozs. \$6.00
No. 3. 34 in. long, capacity 2 in. Weight 7 lbs. 4 ozs. 7.00
No. 120. Point Cut Pruner. 20 in. Weight 2 lbs. 12 ozs. 5.00
No. 9. Twin Cut Hand Pruner 3.75

No. 300A Planet Jr. Seeder

Price, \$22.75



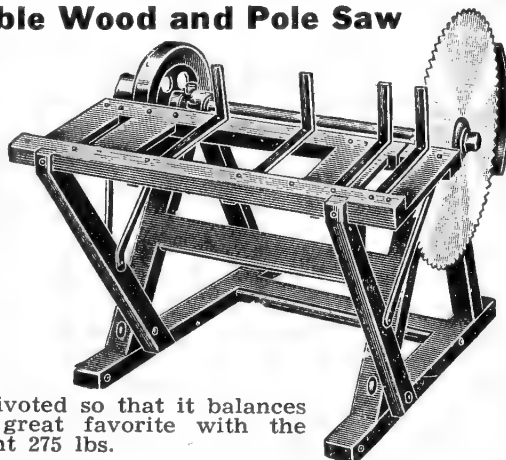
The No. 300A is rapidly becoming the most popular seeder for market gardeners. It is a plate seeder, having three seeding plates, each with 13 holes, giving ample adjustment for any size seed. Adjustments quickly and easily made. Hopper removable. Many exclusive features combine to make the No. 300A easy running, dependable and accurate. For use on ordinary soil.

No. 300 Planet Jr. Seeder—\$22.75

No. 300 Seeder, same as No. 300A but with flat roller wheel 11 inches in diameter for use on muck soil and sandy soil.

Tilting Table Wood and Pole Saw

An excellent high type of saw, made of good material throughout and built sturdy. The arbors are of steel, the bearings are long, well babbitted. The balance wheels are heavy and well balanced. This machine is finished in an attractive manner, with tilting table pivoted so that it balances perfectly. A great favorite with the sawyer. Weight 275 lbs.

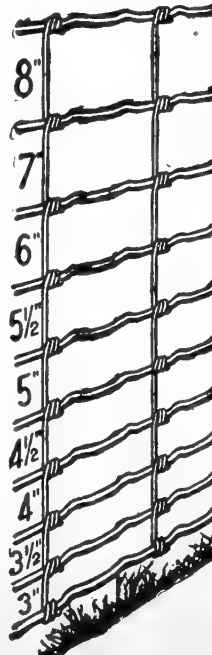


BUCH'S No. 5 Tilting Table Wood Saw Frame with 65-lb. Balance Wheel, Less Saw \$29.75

WOOD SAWS, 1½-INCH ARBOR

20 inch	\$4.25	26 inch	\$6.75
22 inch	5.00	28 inch	7.95
24 inch	5.85	30 inch	8.95

47 INCH 10 BARS



Fence and Barb Wire

We offer subject to our stocks and being able to obtain from manufacturer.

Each	
80-Rod Spools Lyman. 4 pt. barb wire	\$4.50
80-Rod Spools American Special. 2 pt. barb wire	3.50
80-Rod Spools. 2-ply twisted wire.	3.95
10-Rod Roll 1948-6 Special 14½ Fence Wire. 18 horizontal bars, 48 in. high, 6 in. stay	6.75
20-Rod Roll 1047-6 Special 11 Fence Wire. 10 horizontal bars, 47 in. high, 6 in. stay	15.45
20-Rod Roll 1047-12 Special 11 Fence Wire. 10 horizontal bars, 47 in. high, 6 in. stay	11.85

Bale Ties

We carry the 9-foot No. 15 cross head ties in stock. We find this to be the most popular size, as it makes the most convenient bale of hay. Per bundle of 250 wires, \$3.50; 5 bundles, \$3.25 per bundle.

Farm and Garden Implements

HAYES GARDEN HOSE SPRAYERS

Hayes Jr. Spray Gun



For "Average Size" Garden

Famous all-purpose sprayer. Makes 3 gallons of mixed spray material at one time. Just attach to garden hose, turn on the faucet, lightly press the con-

veniently long lever and Hayes Jr. sprays. Price, \$5.95.

Hayes-Ette Sprayer

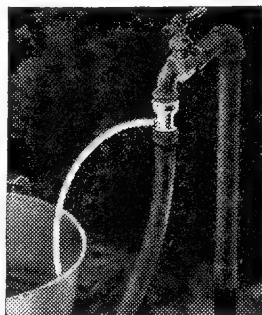
For Small Gardens

A compact little bantam-weight that efficiently does the work of many large sprayers. Simply attach to garden hose, lightly press the new no-leak thumb button. That's all. Capacity, 1½ gallons of mixed spray material. Price, \$2.95.

Hayes 25-to-1 Proportioner

Applies liquid and soluble fertilizers, lawn moth solutions, weed killers, insecticides and fungicides economically, safely, easily, through garden hose.

Simply attach Proportioner to hydrant. Mix concentrate with water. Drop suction tube into container. Attach garden hose to Proportioner. Attach free flowing nozzle on end of hose. Turn on hydrant, and apply same as watering. Hayes jet mixes the spray accurately. Price, \$1.95.



Columbian Sisal Rope

	Price Per lb.
¼ in. diameter	\$0.30½
¾ in. diameter .....	.29½
½ in. diameter .....	.27½
¾ in. diameter .....	.27
¾ in.—¾ in.—1 in. diameter .....	.26½

Binder Twine

Binder Twine. Packed 10—5-lb. balls or 6—8-lb. balls to bale. For farm use only. Market price.

Eddy Stone Boat Steel Fronts

29-inch with bolts. Weight 27 lbs.	\$6.95
34-inch with bolts. Weight 32 lbs.	7.25
40-inch with bolts. Weight 37 lbs.	7.95

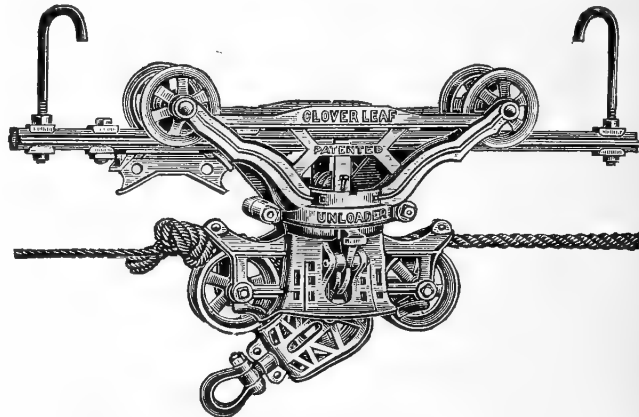
Axes

World's Finest True Temper. 3 lbs., 3½ lbs. Unhandled	\$2.00
World's Finest True Temper. 3 lbs., 3½ lbs., with No. 1 Hickory Handle	2.50
"Our Best" Snow & Nealley Co. 3 lbs., 3½ lbs., with No. 1 Hickory Handle	2.50

Horse Hay Fork Fixtures

No Barn is Complete Without One of These Reversible Steel Track Hay Carriers.

These carriers for rod, wood or steel track are the most durable and easiest rigs to operate of any on the market. Anyone with a hammer and wrench can rig his barn as well as an expert carpenter. We furnish everything necessary for rigging any style of barn. If you will send us the length and height of your barn and style of ridge pole, we will name you price for complete job.



Double Steel Track. Per ft.	\$ 0.27½
No. 302. Hanger Hook. Each .....	.21
No. 266. Pulley Hook. ¾ inch. Each .....	.20
No. 201. Hay Unloader, O. K. Adjustable. Each ..	13.25
No. 5400C. Knot Passing Pulley. Each	1.05
No. 268. Two-Tine Harpoon Fork. 25-in. Each ..	3.50
No. 1314. Two-Tine Harpoon Fork. 31-in. Each ..	4.50
No. 2B. Four-Tine Grapple Fork	14.90
No. 1B. Four-Tine Grapple Fork	13.80
No. 301. Rafter Bracket. Each .....	.06
No. 303. Jointed Hanger Hooks. Each .....	.29

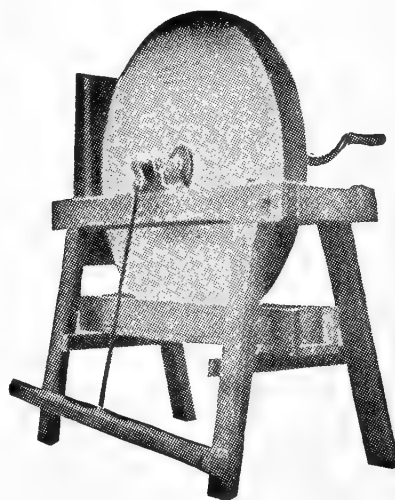
Hecla Wood Frame Mounted Grindstone

24x2 in.	\$21.50
24x3 in.	26.25
26x2½ in.	26.50
26x3 in.	28.50

Wilcox Mounted Grindstone

No. 410-1 ..	\$10.95
No. 410-2 ..	11.75
No. 410-3 ..	12.95

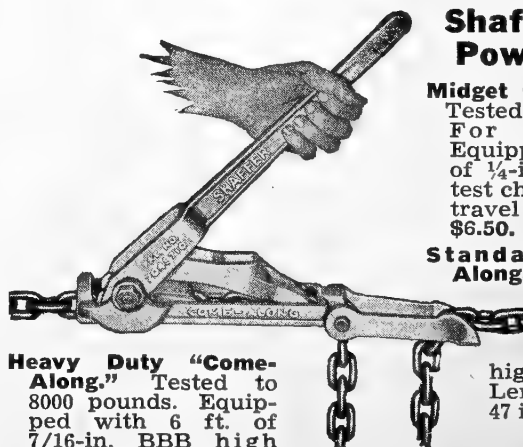
No. 400 Victor Tubular Steel Frame Grindstone with foot treadle and seat 11.75



Shaffer Hand Power Units

Midget "Come-Along." Tested to 2000 pounds. For light duty. Equipped with 4 feet of ¼-inch BBB high test chain. Length of travel 37 in. Price: \$6.50.

Standard "Come-Along." Tested to 6000 pounds. Equipped with 5 ft. of ¾-in. BBB high test chain. Length of travel 47 in. Price: \$9.50.

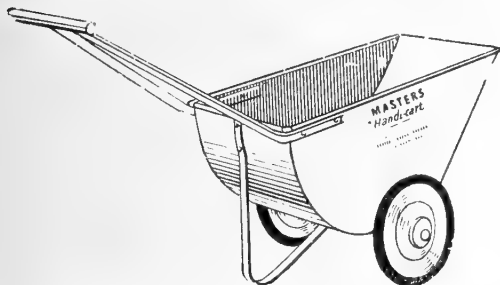


Heavy Duty "Come-Along." Tested to 8000 pounds. Equipped with 6 ft. of 7/16-in. BBB high test chain. Length of travel 60 in. Price: \$12.50.

Send for circular giving further details.

Garden and Lawn Supplies

MASTERS HANDI-CART



With a Masters "Handi-Cart" garden work is really a pleasure. New and greater convenience for the 101 odd jobs around the home, garden, garage, yard. Built extra strong to stand overloading and abuse. Sturdily supported sheet metal body, solid steel axle, disc wheels, rubber tires. Perfect balance makes handling easy.

No. 18S. 3 cu. ft. capacity. Price: \$6.25.

No. 20S. 3½ cu. ft. capacity with semi-pneumatic rubber-tired wheels. Price: \$8.75.

WORCESTER LAWN MOWERS



Model
600
Worcester
Shear

Model
500
Worcester
Master

MODEL 600 WORCESTER SHEAR with semi-pneumatic tires on 10-inch wheels, rubber-covered roller. Price: 16-inch, \$27.85; 18-inch, \$29.84.

MODEL 500 WORCESTER MASTER with semi-pneumatic tires on 10-inch wheels, rubber-covered roller. Price: 16-inch, \$21.39; 18-inch, \$22.47.

MODEL 400 WORCESTER LAWNTENDER (not shown) with semi-pneumatic tires on 10-inch wheels. Price: 16-inch, \$17.31; 18-inch, \$18.21.

The sale of Worcester Mowers is subject to availability from manufacturer.

We expect also to have the well known Blair line of Lawn Mowers that we have sold for many years. As our catalog goes to press, we are informed they expect to have two Rubber-Tired Lawn Mowers in both 16- and 18-inch sizes, namely Pilgrim and Berkshire.

We also hope to have for sale Philadelphia, Coldwell and Clemson Hand Mowers as well as a line of Power Lawn Mowers. Contact us regarding availability of Lawn Mowers.

SPRABULBS

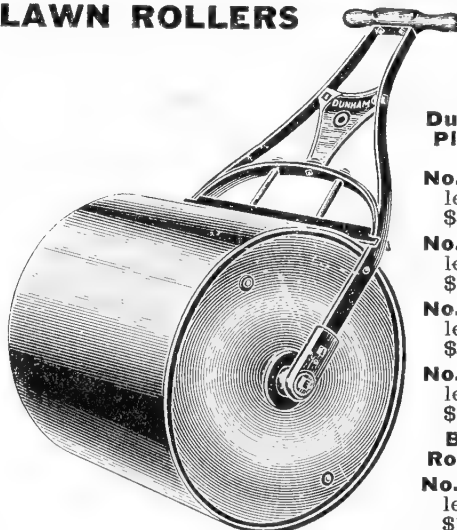
For Florists and Gardeners. Brass Discs.

SPRAYBULB "B." 8 ozs. Price: 75c; postpaid, 85c.

SPRABULB "C." 12 ozs. Price: \$1.00; postpaid, \$1.10.



LAWN ROLLERS



As our catalog goes to press, we expect to be able to supply these Rollers.

Dunham Waterweight Plain Bearing Roller

No. 2. Diam., 14 in.; length, 24 in. Price: \$14.70.

No. 4. Diam., 18 in.; length, 24 in. Price: \$16.40.

No. 7. Diam., 24 in.; length, 24 in. Price: \$25.00.

No. 9. Diam., 24 in.; length, 32 in. Price: \$28.40.

Buch Waterweight Roller Bearing Roller

No. 602. Diam., 14 in.; length, 24 in. Price: \$15.60.

Start Your Seeds Early in

Bird's Window Gardens and Window Sill Greenhouses
No. RG-33 WINDOW GARDEN. Consists of two 2-Compartment Seed Starters and 3 Transplant Boxes with 12 Transplant Pots and 1 Sub-Irrigator in each, 1 complete set of growing instructions. Price: 79c; postpaid, 89c.

No. RB-22 WINDOW SILL GREENHOUSE. 2½ to 5 dozen Seedlings, 22 Potted Plants. One 2-Compartment Seed Starter; 2 Transplant Boxes. Price: 29c; postpaid, 39c.

No. RB-11 WINDOW SILL GREENHOUSE. 1½ to 3 dozen Seedlings, 11 Potted Plants. One Transplant Box with Seed Starter. Price: 15c; postpaid, 20c.

GREEN THUMB CUTWORM PROTECTORS. 3 inches high and 3 inches in diameter. Easy to place around plant.

No. RA-50 package of 50. Price: 20c; postpaid, 30c.

No. RA-12 package of 12. Price: 10c; postpaid, 15c.

GREEN THUMB CABBAGE MAGGOT PROTECTORS.

Protect your Cabbage, Cauliflower, Broccoli.

No. RA-284 package of 24. Price: 10c; postpaid, 15c.

GREEN THUMB PLANT BANDS. For potting Seedlings. Water-proof, highly compatible to plant growth.

No. RA-230 package containing thirty 2½-inch Plant Bands. Price: 20c; postpaid, 30c.

MYSTIC MAT. Amazing! Keeps walls of Clay Pots moist. More blossoms, greater growth, stronger plants, low cost.

Package No. RA-2 contains two 5½-inch Mats. Price: 10c, postpaid, 15c.

No. RA-3 contains three 3½-inch Mats. Price: 10c, postpaid, 15c.

BIRD'S PLANT BANDS

Sold in units of 1000 only.

Price List and Sizes In Inches

1¾x1¾	2x2	2x2	2½x2½	3x3	3x3
x2½	x2½	x3	x3	x3	x4

Vita-Bands. Per 1000	\$3.30	\$3.65	\$3.90	\$4.20	\$4.70	\$5.80
Growtex. Per 1000	2.35	2.60	2.90	3.10	3.45	3.95

TOM THUMB FLAT AND PLANT BAND COMBINATIONS

Sold In Units of 500 Sets Only

PRICE LIST

Combination with Vita-Band Plant Bands	Combination with Growtex Plant Bands
Per 1000 Sets	Per 1000 Sets
Size No. 1	Size No. 1
\$57.50	\$49.00
Size No. 2	Size No. 2
\$62.50	\$53.60

TOM THUMB FLAT

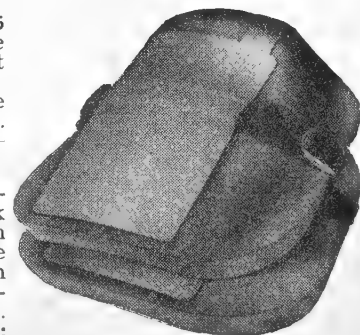
Sold In Units of 100 Sets Only

PRICE LIST

No. 1 Size	No. 2 Size
\$25.75	\$27.35
Size No. 1 holds twelve 1¾x1¾x2½-inch Plant Bands.	Size No. 2 holds twelve 2x2x2½x-in. Plant Bands.

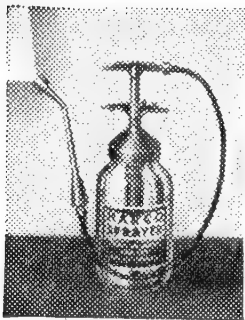
NEEGARDS

The modern Knee Protector. Ideal for any work that requires kneeling on the ground or on the floor. Neegards are form fitting, completely adjustable to fit any size knees. Price: Per pair, \$1.50; postpaid, \$1.60.



Garden and Lawn Supplies

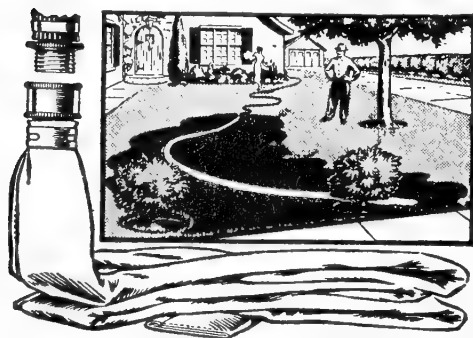
**Control Garden Pests
With This
Quick, Easy, NEW
Streamlined**



HARCO SPRAYER

Plants blighted? Prevent and kill destructive pests with new, proven HARCO, only professional-type sprayer priced so low. Quickly

sends insecticide onto tops of tall shrubs, reaches under sides of small plants, penetrates hard-to-reach places—easy as pie to use. Durably made, trouble-free. No dripping. Attractive, colorful. Enjoy a healthy garden—with praise for its beauty. **Only \$2.35 complete.**



Soil-Soaker

Like all night rain, it really soaks the soil. Water seeps through entire length gently—no spray—puts water where you want it. All soaks to the roots. Made of scientifically treated mildew resistant canvas. One end screws to water hose, other end closed.

- No. 0.** Length 12 feet. Mailing weight 2 lbs. **\$1.40**
- No. 1.** Length 18 feet. Mailing weight 3 lbs. **1.90**
- No. 2.** Length 30 feet. Mailing weight 4 lbs. **2.90**
- No. 3.** Length 50 feet. Mailing weight 5 lbs. **4.75**

WEEDONE

TRADE MARK

Weedone—the new internal weed killer. Kills right out to the root tips, kills entire plant. It is the most effective 2-4-D formula. Kills poison ivy, poison oak, bindweed, wild morning glory, Japanese honeysuckle, and many others.

- 6-oz. bottle (makes 5 gals. sprays) **\$ 1.00**
- 1-qt. bottle (makes 25 gals. spray) **3.00**
- 1-gal. bottle (makes 100 gals. spray) **10.00**
- 5-gal. can (makes 500 gals. spray) **35.00**

Prices on larger quantities on request.

AMMATE

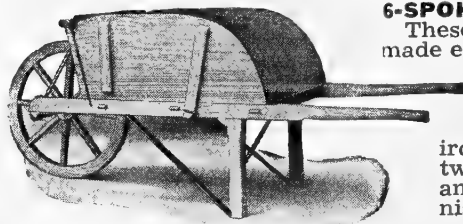
Du Pont's Ammate Weed Killer (Ammonium Sulfamate)

For poison ivy, poison oak, etc. Ammate is applied as a water solution from a sprinkling can or sprayer or as a dry application. Use at the rate of 1 to 1½ lbs. per gallon of water per 100 sq. ft. of area. To kill all vegetation in driveways, tennis courts, etc., apply Ammate dry or as a spray at the rate of 4 lbs. per 100 sq. ft. **Price:** 2-lb. jar, 75c; 6-lb. jar, \$1.80; 50-lb. drum, \$12.00; 350-lb. barrel, \$63.00.



Herbicide is a powerful and economical chemical for destroying unsightly weed growth on paths, driveways, cobble gutters, tennis courts, etc. For ordinary grass and weeds, one gallon of Herbicide diluted with 50 gallons of water will cover approximately 1000 sq. ft. Kills poison ivy and other noxious forms of vegetation. **Price:** 1-qt. can, 75c; 1-gal. can, \$2.00; 5-gal. can, \$7.50; 30-gal. drum, \$44.00.

GARDEN WHEELBARROW



6-SPOKE WOOD WHEEL

These Wheelbarrows are made especially for us, are well constructed throughout, of hardwood, and strongly ironed. Finished with two coats of paint and one coat of varnish.

- No. 2 Garden Barrow.** Medium farm size. **Price: \$8.50.**
- No. 6B Garden Barrow.** A cheaper but good all-around barrow with steel wheel. **Price: \$5.75.**
- No. 154 Buch Steel Tray Wheelbarrow.** With wood handles and steel wheel. Capacity 4 cu. ft. Round front. **Price: \$8.95.** Same with rubber tired wheel, \$16.50.

TRELLISES, FENCE AND ARBORS

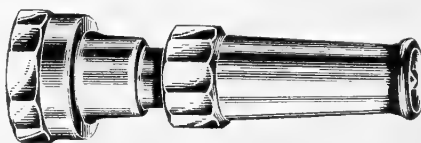
Painted White

	Price
No. 130. Trellis. 8 ft. high, 30 in. wide	\$1.75
No. 124. Trellis. 8 ft. high, 24 in. wide	1.29
No. 115. Trellis. 8 ft. high, 18 in. wide	1.19
No. 810. Tulip Fence. 12 in. high, 36 in. long .....	.59
No. 812. Tulip Fence. 12 in. high, 6 ft. long	1.09
No. 818. Garden Fence. 18 in. high, 6 ft. long	1.75
No. 824. Garden Fence. 24 in. high, 8 ft. long	3.19
No. 836. Garden Fence. 36 in. high, 8 ft. long	3.25
No. 710. Arbor	5.00
No. 720. Arbor	6.75
No. 730. Arbor	9.50
Posts for No. 836 Fence .....	.85

GARDEN HOSE

- Goodrich "Garden Club" Garden Hose.** (Black.) ½ inch diameter, 50-ft. length. **Price: \$5.25.**
- Goodrich "Garden Club" Garden Hose.** (Green.) ½ inch diameter, 50-ft. length. **Price: \$6.00.**
- Quaker "Coronet" Brand 1-Braid Garden Hose.** ½ inch diameter, 50-ft. length. **Price: \$4.95.**

LAWN SPRINKLERS AND HOSE NOZZLES



Champion All-Brass Hose Nozzle. Price: 59c.

"Allen" Justrite Cast Brass Hose Nozzle. Price: 75c.

"Allen" Parkside Nozzle Type Sprinkler. Price: \$3.35.

"Allen" Ambassador Revolving Sprinkler. Price: \$2.00.

"Allen" Globe Revolving Lawn Sprinkler. Price: \$1.85.

"Allen" Improved "Ring" All-Brass Lawn Sprinkler. Price: \$1.25.

We also expect to have some "Rain King" Sprinklers.

"Rain King" Model "K" Sprinkler. Price: \$5.50 each.

"Rain King" Model "H" Sprinkler. Price: \$4.50 each.

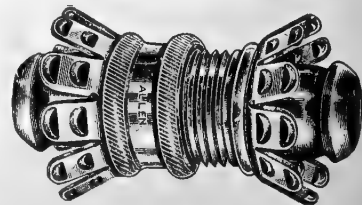
"Rain King" Model "D" Sprinkler. Price: \$3.00 each.

"Rain King" Model "N-1" Nozzle. Price: 80c each.

Brass Clinching Hose Couplings and Menders.

Fig. No. 251C Coupling made in three sizes: ½ in., ¾ in., 1 in. Specify size. **Price: 35c each.** Add for postage.

Fig. No. 250 Mender (not shown) made in three sizes: ½ in., ¾ in., 1 in. Specify size wanted. **Price: 12c each.** Add for postage.



Farm Equipment and Dairy Supplies

McCormick-Deering Farm Equipment

Tractors, Harrows, Plows, Mowers, Hay loaders, Side Delivery Rakes, Tedders, Hay Rakes and other horse- and tractor-drawn equipment for your farm. See us for your equipment requirements.

Prices on request.

Clark "Cutaway" Wonder Disker

A remarkably efficient implement for subduing brush land, bog land, cleared woodland, drained swamps, etc. Ideal for thorough and economical orchard cultivation, including sod breaking and disking-in cover crops. Eight 24-inch disks, 6-foot cut, adjustable tractor hitch reversing irons, weight carriers. Price on request.

Also other models of "Clark" horse- and tractor-drawn disc harrows, including the flexible and reversible harrows.

Prices on request.

"King of the Cornfield"

Corn, Pea Planter, and Fertilizer Distributor.

Does perfect work, not only in planting corn in hills or drills, but does equally as good work planting peas, beans and all similar seeds, putting in the fertilizer as well.

Harder Silos

For many years Ross Bros. Co. has represented Harder Silo Co. in Worcester County. We solicit your silo inquiries.

Mid-West Pull Milk Bottle Caps—Stock Designs



Design No. 1405



Design No. 2507



Design No. 1433

Design No. 1395. Milk Pasteurized. (Not shown.)

Design No. 1859. Goat Milk. (Not shown.)

Design No. 2575. Chocolate Milk Beverage. (Not shown.)

All above caps are 40-point board, packed in tubes of 500. Mailing weight per 1000, 5 lbs. Price per 1000, 80c; 5000, 73c per 1000; 10,000, 67c per 1000.

See us for your Special printed bottle and can caps.

BK GENERAL CLEANSER. 100-lb. drum, \$7.70; 250-lb. drum, \$7.15 per 100 lbs.; 10-lb. carton, \$1.00; 5-lb. carton, 55c.

BK BOTTLE KOMPOUND. 100-lb. drum, \$6.20; 340-lb. drum, \$5.35 per 100 lbs.

BK POWDER AND BK LIQUID for dairy and poultry. 1-qt. bottle liquid, 90c; 1-gal. bottle liquid, \$2.00; 5-gal. bottle liquid, \$8.50. 1 1/4-lb. bottle powder, \$1.50; postpaid, \$1.60. 9 1/3-oz. bottle powder, 75c; postpaid, 85c.

No. 36. TAN COW HALTER. 1 1/4-inch, riveted. Weight 2 lbs. \$1.75

No. 39. CALF HALTER. 1 inch. Weight 2 lbs. 1.50

PERCHERON TAN HORSE HALTER. 1 1/4-inch, sewed and riveted. Weight 4 lbs. 3.50

No. 8. SOLID BACK, ENAMELED CURRY COMB .30

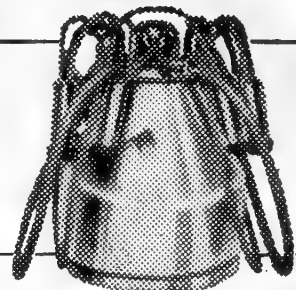
No. 7. REFORM CURRY COMB. 3 Corrugated Shells, oval shape, leather strap30

No. 35. 6-BAR OPEN CURRY COMB25

No. 125. 4 Coils, reversible spring steel, black handle30

Add postage, 5c each.

You Get ALL These Features in McCORMICK - DEERING MILKERS



1. Easy to handle.
2. Natural milker action.
3. Same kind of milking every milking.
4. Compact, easy-running, self-lubricating piston type vacuum pump with counterbalanced drive shaft.
5. Automatic vacuum regulator gives right amount of vacuum no matter how many cows are being milked at a time.
6. Milking action uniform regardless of weather conditions.
7. Easy-to-clean, 2-piece teat cup assembly—flexible rubber inflation, strong metal shell for fast, easy milking.
8. Even distribution of weight in teat cup cluster assures even flow of milk.
9. One-piece, stainless steel or aluminum pails.

LET US QUOTE YOU ON COMPLETE INSTALLATION

Universal Milk Bottles

	Doz.	Gross
1 quart	\$0.90	Ask
1 pint .....	.70	for
1/2 pint .....	.60	Prices

Prices on plain and colored lettered ware quoted on request.



Starline Barn Equipment

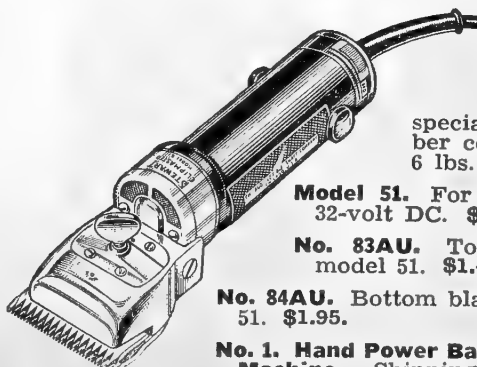
	Each
No. 1211. All Steel Stanchion	\$ 3.65
No. 1211W. Wood Lined Steel Stanchion	4.05
No. 1285W. Wood Lined Steel Stanchion	5.20
No. 627. Stanchion Fastenings .....	.15
No. 235. Water Bowls	4.10
No. 411. Litter Carriers.	
No. 6. Capacity, 10-bushel tub	60.00
No. 8. Capacity, 12-bushel tub	64.50

Cannon Ball Barn Door Equipment. Self-cleaning, bird-proof track with self-oiling hangers. Stay rollers, pulls and latches. Prices on request.

PIERPONT Q. D. SILO PRESERVATIVE. Old Silos made new. New Silos kept new. Clean, smooth, acid-proof walls make long-life ensilage keepers and produce the finest ensilage. Four gallons coats the average silo, including foundation, chute and doors. Approximate coverage 400 square feet per gallon. No ladders required! Stand on ensilage. Apply when feeding out. Price: 1-gal. can, \$3.25 per gal.; 5-gal. can, \$3.15 per gal.

Dairy pails, milk strainers, cotton strainer discs, bottle carriers, bottle crates, milk cans, bottle brushes and other dairy supplies and remedies.

Stewart Electric Clipmaster



Model 51 Electric Clipmaster. Quiet, powerful, ball bearing motor, special heavy-duty rubber cord. Shipping wt., 6 lbs. \$21.95.

Model 51. For 20-volt ACDC, or 32-volt DC. \$23.95.

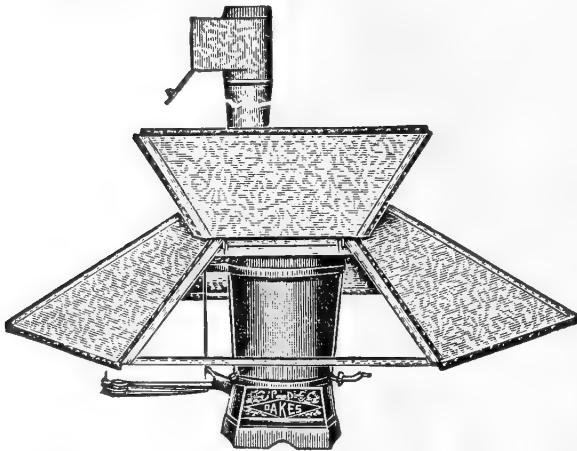
No. 83AU. Top blade for new model 51. \$1.45.

No. 84AU. Bottom blade for new model 51. \$1.95.

No. 1. Hand Power Ball-bearing Clipping Machine. Shipping weight, 30 lbs. \$14.95.

Poultry Supplies

Oakes Coal Burning Brooder



Red Oakes Brooders are noted for fuel economy, performance and long life. We recommend Oakes Brooders. Regardless of first cost, this stove will be most inexpensive over a period of years.

Model	Canopy	Chick Capacity	Coal Capacity	Weight	Price
No. X62	62 in.	1000	52 lbs.	135 lbs.	\$24.25
No. X162	62 in.	1200	72 lbs.	165 lbs.	29.80

Included is a line of Oakes Chick feeders, broiler feeders, flock feeders, Mason jar fountains, chick fountains of all sizes from 1 gallon to 8 gallons. We also have "Oakes" oil, wood and electric brooders, egg scales, egg baskets, roof saddles, nests, and small electric incubators and brooders.

Oakes Galvanized Nests



Sanitary, durable, comfortable. Each nest 11½ inches wide, 13 inches deep, 13½ inches high. Round entrance hole is 9 inches in diameter. Provide one nest for each 50 hens. For 100 hens you need two **No. 580 Nests**. Easy to assemble with bolts, nuts and metal bracing clips furnished.

No. 580. 10-Hole Nest	\$8.60
Shipping weight, 43 lbs. Traps extra.	
No. 590. Set of 5 Trap Doors. 2 Sets needed for Nest.	
Set of five	\$1.60

No. 1265. Oakes Brooder Thermometer	\$0.40
No. 263A. Oakes Incubator Thermometer .....	.75
Add 5c for postage.	

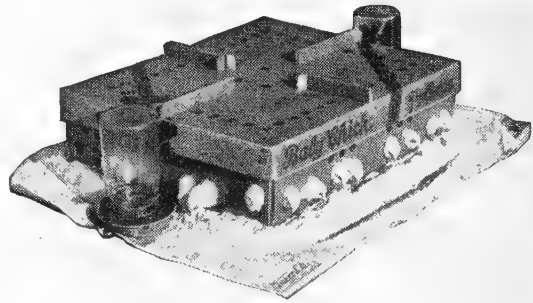
Celluloid Bands

	Assorted Colors	Doz.	100	1000
No. 4. Baby Chick	\$0.10		\$0.35	\$2.40
No. 5. Pigeon .....	.10		.35	2.50
No. 6. Growing Chicks .....	.15		.40	3.00
No. 7. Bantams .....	.15		.45	3.50
No. 9. Leghorns .....	.15		.50	4.00
No. 10. Wyandottes .....	.15		.50	4.25
No. 11. Rocks, Reds .....	.15		.60	5.00
No. 12. Jersey Giants, Brahmas .....	.15		.75	5.50
No. 13. Large Cocks, Turkeys .....	.15		.75	6.00
Postpaid.				

Ful-O-Pep Poultry Feeds

Ful-O-Pep Poultry Feeds are manufactured by the Quaker Oats Co., whose many years' milling experience insures production of superior poultry feeds. See us for your Ful-O-Pep Poultry Feeds. Sold always at market prices.

Anderson Stickless Pullman Boxes



No sticks, no nails, no glue, better ventilation. This stickless Feed-O-Box does the same work as a regular chick box and in addition it acts as a starting brooder for the chicks on arrival.

No. ST100. (100-chick size.) 22x18x5½ in., weight 215 lbs. per 100 boxes. Packed 30 in bundle. 120 boxes or over, 21¾c each. Bundle lots, 23c each. U-staples extra, \$1.50 per 1000, 20c per 100. By express or freight only.

3x4 Chip Egg Boxes—Handy for Retail Trade

	Weight	Price
Dozen	2 lbs.	\$0.15
Bundle of 125	12 lbs.	1.15

Ask for prices in larger quantities.

Graylawn Farm Louse-Chase

Kills every louse at trifling cost. 9-oz. can, 50c; 22-oz. can, \$1.00.

Gold Leaf Tobacco Powder for Poultry Worms

The failure of young birds to develop properly and an unhealthy condition of the older birds, is often caused by the presence in their intestines of poultry round worms.

2-lb. pkg. Mixes with 100 lbs. of mash\$0.25
10-lb. pkg. Mixes with 500 lbs. of mash85

Water Glass

This preparation is used by many in preference to the dry powder. The preservative will preserve eggs perfectly.

Price: 1 pt. (weight 3 lbs.), 18c; 1 qt. (weight 4 lbs.), 30c; 1 gal. (weight 14 lbs.), 95c.



Husky Day Old Chicks

Guaranteed safe arrival when shipped direct from the hatchery.

We are sure that if you order your chicks from us you will be well satisfied.

WALKO TABLETS. A valuable Drinking Water Antiseptic for all poultry at all ages. Small pkg. 50c; postpaid, 60c. Large size pkg., \$1.00; postpaid, \$1.10.

No. 64. OAKES MASON JAR FOUNT. Sani-Flow all-glass pan fits into neck of any size Mason Jar. Operates on vacuum principle. No clips, easy to clean. Mailing weight, per doz., 15 lbs. 12c each; doz., \$1.30.

THE ACME EGG-GRADING SCALE. Back again after the War. Price: \$2.50. Mailing weight 2 lbs.

Oakes Sturdy-Boy Wafer Thermostats

No. 416W. 3-inch double brass wafer for all coal brooders, many oil brooders and incubators. 30c each.

No. 16W. 3-inch double brass wafer for oil brooders, screw stud. 32c each.

Add 5c for postage.

Trumbull Poultry Water Warmer. Automatic; electric, keeps drinking water at 50 degrees even in sub-zero weather. Use in open pans and fountains. No danger of electric shock and no fire hazard. Price: \$4.00 each, postpaid.

Poultry Supplies

Pratt's Poultry Remedies

POULTRY REGULATOR. Tones up system, regulates bowels, aids digestion, sharpens appetite, wards off disease and increases vitality. Use it the year round for breeders, layers and growing stock. 2 $\frac{3}{4}$ -lb. pkg., 50c; also \$1.00 pkg.; 25 lbs., \$3.25.

POWDERED LICE KILLER. Is powerful, economical, non-poisonous and non-irritating. For use on poultry, in dustbaths, nests, on dogs, cats, horses, cattle, hogs, and sheep. In sifter top cans at 30c and 60c; 35c and 65c, postpaid.

CHICK TABLETS. Makes the drinking water safe, tones up the chicks and effectively treats most diarrhea troubles. Prices: 30c and 60c. Postpaid, 35c and 65c.

R-P TABLETS. (Formerly Pratt's Roup Tablets.) For adult fowls. Price: 25c and 50c. Postpaid, 30c and 55c.

DISINFECTANT. Cheap, powerful, non-poisonous disinfectant. Quart, weight 3 lbs., 60c; gallon, weight 11 lbs., \$1.60.

PRATT'S "SPLIT ACTION" (Worm). For eradication of tape and round worms in poultry. Adult size, 50 tablets, 85c; 100 tablets, \$1.50; 500 tablets, \$5.50. Chick size, 50 tablets, 55c; 100 tablets, \$1.50.

Dr. Hess' Poultry Remedies

DR. HESS POULTRY PAN-A-MIN is of high value to moulting hens, in egg production, in reducing chick mortality, in bone and feather growth, and in maintaining health. Small size, 25c; 3 lbs., 55c; 7 lbs., \$1.10; 15 lbs., \$2.10; 25 lbs., \$3.15.

POULTRY TABLETS (Roup). Price: 25c, 50c and \$1.00. Postpaid, 30c; 55c and \$1.10.

CHICK TABLETS (Diarrhea). Price: 25c, 50c and \$1.00. Postpaid, 30c, 55c and \$1.10.

POWDER LOUSE KILLER. 1-lb. pkg., 30c; 2 $\frac{1}{2}$ -lb. pkg., 65c. Postpaid, 35c and 75c.

DIP AND DISINFECTANT. 1-qt. size, 65c; 1 gal., \$1.75.

Conkey's Poultry Remedies

OLD RELIABLE POWDER (formerly Roup Remedy). A preventative and treatment for colds, roup, mycosis and coccidiosis. Easily given in the drinking water. Keep it on hand ALWAYS for use in emergency. Put in drinking water on cold, rainy days. We think this is easily the best poultry remedy on the market. Satisfaction guaranteed. 1-oz. pkg., 25c; 2 $\frac{1}{2}$ -oz. pkg., 50c; 7-oz. pkg., \$1.00; 1 $\frac{1}{2}$ -lb. pkg., \$2.35, all postpaid.

DIATABS (formerly White Diarrhea Remedy.) ASTRINGENT-ANTISEPTIC with tonic effects. DISSOLVES almost instantly. Disinfects drinking water, yet stimulates constipation. An aid in preventing, and a treatment for so-called diarrhea. Warranted to give complete satisfaction. YOU TO BE THE SOLE JUDGE. Very effective in aiding egg yolk absorption and prevention of pasting of vent. Satisfaction guaranteed. 25-tablet pkg., 25c; 125-tablet pkg., \$1.00, all postpaid.

WORM POWDER. (A combination of Nicotine and Kamala.) Contains elements universally accepted as treatment for all varieties of worms. A FLOCK TREATMENT FOR INTESTINAL PARASITES. Ask us about it and its guarantee. 4-oz. pkg., 30c size, enough to mix with 25 lbs. mash; 1-lb. pkg., \$1.00 size, is sufficient for 100 lbs. of mash. Postpaid.

LICE POWDER. For all varieties of lice which live on poultry or livestock. Very effective in dust baths for poultry. Not necessary to handle birds. Very economical. Satisfaction guaranteed. 12-oz. size pkg., 25c; 6-lb. size, \$1.50. Postpaid.

POULTRY TONIC. An all-medicine (no filler) aid in egg production. Excellent during and after moulting. See directions. Satisfaction guaranteed. 1 $\frac{1}{2}$ -lb. pkg., 25c; 3 $\frac{3}{4}$ -lb. pkg., 50c, postpaid.

PIC-END BITTERS. An aid in discouraging toe, wind, vent picking and cannibalism, antiseptic and healing. Very economical. Satisfaction guaranteed. 2 $\frac{3}{4}$ -oz. jar, 25c, postpaid.

Cel-O-Glass

CEL-O-GLASS is a glass substitute used by poultry raisers, also by growers for hotbeds. Has many other uses. Du Pont product. Comes in 25, 50 and 100-ft. rolls, in widths 28 in. and 36 in. We offer subject to our being able to obtain from the manufacturer. Price: 11 $\frac{1}{2}$ c per sq. ft. in cut lengths; 11c per sq. ft. in full rolls.

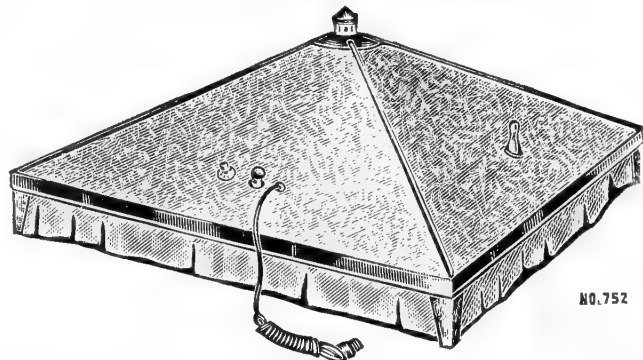
Warp's Window Materials

GENUINE FLEX-O-GLASS. The leading window material. Lets through more healthful ultra-violet rays than other substitutes. Holds in heat better than glass. 36 inches wide. 100-yd. roll, \$35.00; 50-yd. roll, \$17.50; 25-yd. roll, \$8.75; cut price, 35c per yd.

WARP'S WINDOW FABRIC. Ordinarily lasts one season. Lets through sun's ultra-violet rays. 36 inches wide. 100-yd. roll, \$27.00; 50-yd. roll, \$13.50; 25-yd. roll, \$6.75; cut price, 27c per yd.

WARP'S GLASS-O-NET. Mesh Base Glass substitute. A plastic glass covered netting. Very transparent, high ultra-violet ray transmission. Can be washed with soap and water. 36 inches wide. 50-yd. roll, \$28.50; 25-yd. roll, \$14.25; 15-yd. roll, \$8.55. Cut price, 57c per yd. Samples gladly sent upon request.

Oakes Electric Brooders

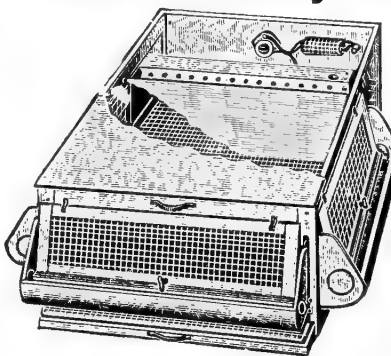


NO. 752

No. 750. Fan type 52x52 Canopy. Capacity 350 to 385 chicks\$27.10

No. 751. Fan type 48x72 Canopy. Capacity 500 chicks 36.80

Oakes "Gro-Ezy" Electric Brooder



Gro-Ezy Brooders are made entirely of metal; easy to clean. Has guaranteed heater, 110-volt AC automatic thermostat, troughs and drop cord.

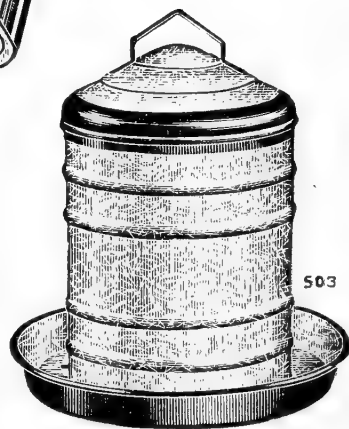
No. 801. Single unit, shipping weight 42 lbs., \$10.98.

Oakes Founts

Double wall founts of 26 gauge galvanized steel. Smooth edged pan. Die stamped non-roosting top. Handle for carrying. Operates on vacuum principle. Water always correct level without overflowing. Inner can spot welded and soldered to pan.

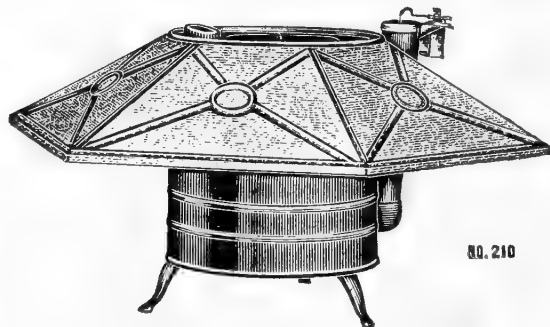
No. 503. 3-gal. cap. Mailing weight 7 lbs. Price: \$1.85.

No. 505. 5-gal. cap. Mailing weight 11 lbs. Price: \$2.50.



503

Oakes Dixie Wood Brooder Stove



NO. 210

Enjoy low cost brooding this year and increase your profits. Thermostat control. Big stove body 22 $\frac{1}{2}$ in. diameter; 23 in. high, over-all height 28 $\frac{1}{2}$ in. Chimney 5 inches. Fuel capacity 5 cu. ft.; wood up to 20 inches long. Complete with canopy. **No. 210. Price: \$15.00.**

OAKES NO-COLD OIL BROODER. (Not shown.) **No. 560** broods up to 475-500 chicks, canopy 60-in. diameter. Price: \$19.95.

OAKES BLUE FLAME OIL BROODER. (Not shown.) Canopy 60-inch diameter. Price: \$13.40.

RELIABLE ELECTRIC CABINET INCUBATORS.

No. 170. Capacity 400 chicks, 4 trays\$ 79.00

No. 171. Capacity 600 chicks, 6 trays 91.00

No. 172. Capacity 1200 chicks, 8 trays 133.00

No. 173. Capacity 2100 chicks, 14 trays 194.00

Farm and Garden Supplies

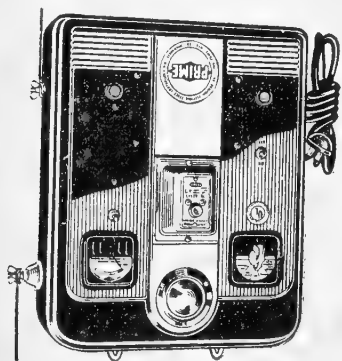
Prime Electric Fence Controllers

Underwriters' Laboratories have established a standard for electric fence controllers more rigid and exacting than any other standard. They provide construction details for controllers with higher current value and greater shocking power than other specifications permit. All other specifications restrict the output of controllers to 25 milliamperes of current. Constructed to the exacting specifications of Underwriters' Laboratories, Prime AC Controllers have a current output of 50 milliamperes, more shocking power than any other AC controller.

Prime Underwriters' Laboratories approved AC controllers are the only controllers having all these advantages.

1. **ALTERNATING CURRENT ON FENCE.** The multiple impulses of alternating current cause more muscular reaction—more respect for the fence.
2. **A STRONGER SHOCK.** Current—not voltage—means shock. Being constructed to Underwriters' Laboratories standard, they are permitted twice as much current as other "approved" controllers.
3. **A LONGER SHOCK.** Prime AC controllers deliver several impulses in each shock period. Controllers using tubes or rectifiers deliver only one impulse in each shock period.
4. **LESS CURRENT LEAKAGE.** Higher current values with relatively low peak voltage means less current leakage—more shock.
5. **SAFE—DEPENDABLE.** Approved by Underwriters' Laboratories for safety and dependability since 1939. No other controllers have had such approval.
6. **LOW OPERATING COST.** One full year's operation for less than the cost of one hotshot battery.

Prewar AC Models Now in Stock



480-A
110-120v, 60 cycle
Price\$42.50

- 480-A Signal Light.** Indicates proper operation.
Soil Selection Switch. Controls operation in wet or dry weather.
Safety Circuit Breaker. Prevents flow of continuous current.
Short Meter. Indicates any leakage of current.
Safety Barrier. Grounded metallic barrier segregates primary and secondary circuits.
AC Transformer. Retains true shock characteristics of alternating current.
Prime Moto-Chopper. Accurate timing mechanism regulating flow of current.
Radio Interference Eliminator. Prevents power line radio interference.
48. Housed in smaller cabinet and does not have soil selection switch or short meter. Same electrical output as 480-A.



48
110-120v, 60 cycle
Price\$34.50

Prime Controllers for 6-Volt Battery Current

1. **SHORT SIGNAL LIGHT.** Flashes on and off when controller is operating properly—can be seen from a distance.
2. **MOTO-CHOPPER.** Single impulse type that is low in battery drain, high in effectiveness.
3. **SOIL SELECTION.** Two fence lead-out terminals, one for normal conditions, one for dry conditions.
4. **TRANSFORMER.** Specially designed for battery electric fencing—drains very little from battery but sends an effective "shock" onto fence line.
5. **LIGHTNING ARRESTER.** Built in, to protect controller.

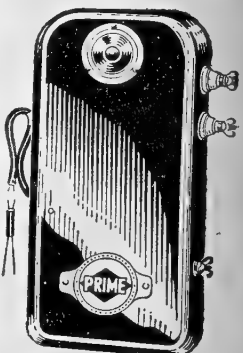
Shipped complete with ground clamp and instruction book.

Model No. 33. Same as Model No. 333, except that On-Off Switch and Battery Compartment have been omitted.)

Also complete line of line posts and corner post insulators, gate handles, gate springs, tie wires, spring clips, and all other fence accessories.

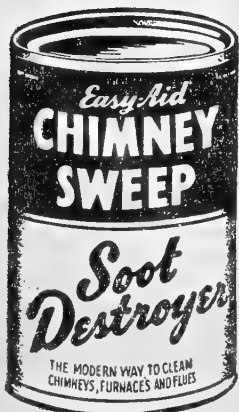


Model No. 333 for 6v
batteries, \$17.50



Model No. 33 for
6v batteries,
\$15.50

Chimney Sweep Soot Destroyer



Cleans Soot and Scale from fire-box to chimney top. Saves fuel—gives more heat for less money. Safe, non-inflammable, non-explosive. Regular use helps prevent chimney fires. For use in coal, oil and wood burning furnaces, fire-places and stoves.

12-oz. size	\$0.29
48-oz. size	1.00
6-lb. size	1.89

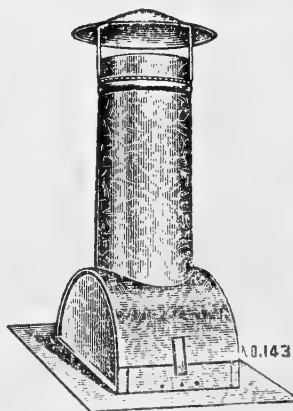
Add for postage.

Stormtight
FOR USE ON ANY ROOF IN ANY WEATHER

Stormtight, the best in liquid and plastic roof material.

Liquid Stormtight. 1-gal. cans, 90c each; 5-gal. drum, \$4.25.

Plastic Stormtight. 5-lb. cans, 75c each; 10-lb. cans, \$1.40 each.



Oakes Adjustable Roof Saddle

Pipes and caps as shown.

No. 85c. Oaks Revolving Cap. 3 inch. 62c.

No. 143. For 5-inch pipe. Mailing weight 6 lbs. \$1.60.

No. 143C. 5-inch pipe cap. 28c each.

Metal Egg Crates

For sending eggs by Parcel Post.

1 dozen size	\$1.25
2 dozen size	1.50
3 dozen size	1.75
4 dozen size	2.00
6 dozen size	2.50

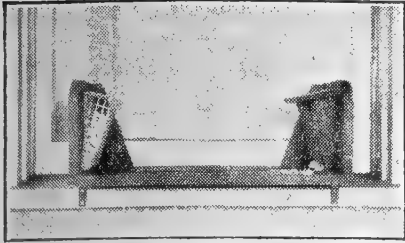
Oakes Egg Scale

No. 20S. Egg Scale, with adjustable stop. Mailing weight 3 lbs. \$1.50 each.

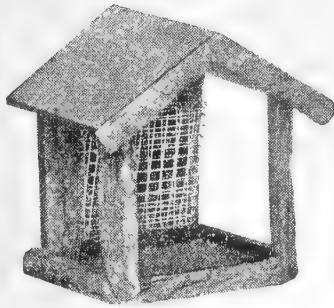
Oakes Egg Basket

No. 15. Mailing weight 5 lbs. 95c each; \$9.50 per doz.

Bird Houses, Baskets and Flower Pots



No. 111



No. 110

BISHOP'S BIRD HOUSES

- No. 111. Window Feeder. Shipping weight 10 lbs. Price, \$3.50.
 No. 117. Six Way Feeder. Shipping weight 6 lbs. Price, \$2.90.
 No. 116. Seed Feeder. Shipping weight 3 lbs. Price, \$1.00.
 No. 110. Combination Shelter. Shipping weight 6 lbs. Price, \$2.50.
 No. 81. Bluebird House. Shipping weight 5 lbs. Price, \$1.20.
 No. 3. Robin Shelter. Shipping weight 6 lbs. Price, \$2.30.
 No. 120. Weathervane Feeder. Shipping weight 12 lbs. Price, \$10.00.
 Many other Feeders and Houses. Send for complete booklet. Complete stock of Bird Suet Cakes, etc. Also get prices on Ross' Wild Bird Food Mixture.

Standard Pots, Pans and Saucers

Inside measurements, width and depth equal.

POTS				SAUCERS				BOTH			
	Ea.	Doz.	100		Ea.	Doz.	100		Ea.	Doz.	100
3 in.	\$0.05	\$0.35	\$2.50	\$0.05	\$0.30	\$2.35	\$0.08	\$0.60	\$4.35		
4 in.	.07	.55	4.00	.05	.35	2.95	.10	.80	6.25		
5 in.	.10	.95	7.00	.05	.50	3.90	.13	1.25	9.85		
6 in.	.12	1.25	10.00	.07	.70	5.85	.17	1.75	14.00		
7 in.	.20	2.25	17.50	.10	.95	7.80	.25	2.75	22.00		
8 in.	.30	3.25	25.00	.12	1.25	10.72	.37	4.00	32.00		
9 in.	.40	4.25		.18	1.80		.52	5.50			
10 in.	.60	6.25		.25	2.75		.75	7.50			
12 in.	1.25			.35			1.50				
14 in.	2.25			.75			2.75				

Positively no flower pots or saucers sent parcel post.

Bulb Pans

	Each	Doz.	100
6 in.	\$0.15	\$1.50	\$10.50
7 in.	.25	2.25	17.50
8 in.	.35	3.50	25.00
9 in.	.50	5.00	39.00
10 in.	.60	6.00	52.00
12 in.	1.00		
14 in.	2.25		

Neponset Red Paper Flower Pots



These pots are nested and packed in cases of 1000 each, except 4-, 5-, and 6-inch sizes, which are put up in cases of 500 each.

	Wt. per 1000 pots	Per 100	Per 1000
2 1/4 in. pots	12 lbs.	\$0.60	\$ 4.55
2 1/4 in. pots	16 lbs.	.65	4.75
3 in. pots	24 lbs.	.75	5.70
3 1/2 in. pots	34 lbs.	.90	7.20
4 in. pots	38 lbs.	1.00	8.65
5 in. pots	62 lbs.	1.35	11.40
6 in. pots	86 lbs.	1.70	14.65

Neponset Green Paper Flower Pots

Neponset Green Pots are especially adapted for growing. Every grower can reduce his growing, transplanting, storage and shipping costs by using these pots. Packed same as Red Pots.



	Wt. per 1000 pots	Per 100	Per 1000
2 1/2 in. pots	22 lbs.	\$0.90	\$ 8.00
3 in. pots	28 lbs.	1.00	9.20
3 1/2 in. pots	39 lbs.	1.30	11.90
4 in. pots	52 lbs.	1.50	14.10
5 in. pots	88 lbs.	2.10	19.80

Evergreen Round Painted Green Flower and Garden Stakes

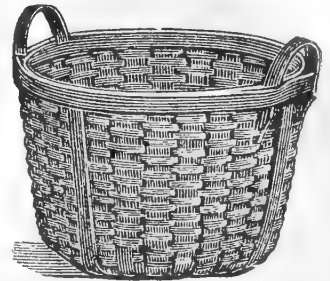
	100	Doz.
No. 24. 3/8 inch diameter, 24 inches long	\$ 3.25	\$0.45
No. 36. 1/2 inch diameter, 36 inches long	6.00	.75
No. 42. 5/8 inch diameter, 42 inches long	6.50	.85
No. 48. 3/4 inch diameter, 48 inches long	9.00	1.25
No. 60. 7/8 inch diameter, 60 inches long	12.00	1.60

Strapped Bushel Basket

Size	Price
4 bushel	\$4.25
3 bushel	3.35
2 bushel	2.60
1 1/2 bushel	2.05
1 bushel	1.65

Woven Picking Basket

Size	Price
1/2 bushel, drop bail	\$0.95
3/4 bushel	.85



Oxford Stave Basket

	Each
1 bushel	\$1.25
1/2 bushel, drop handle	.95
3/4 bushel, drop handle	.85

A very serviceable basket, and the 1/2 bushel is the best basket for picking peaches, as it does not bruise the fruit.

Baskets

VERBENA AND PANSY BASKET
 Used largely for Pansies. \$29.50 per 1000; \$3.15 per 100. Postage extra, 30c per 100.

FOUR-QUART GEORGIA TILLS
 For roadside container. \$32.00 per 1000; \$3.40 per 100. Postage extra, 50c per 100.

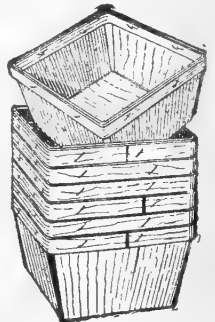
THREE-QUART VIRGINIA TILLS
 \$30.75 per 1000; \$3.35 per 100. Postage extra, 35c per 100.

TWO-QUART MISSISSIPPI TILLS
 \$29.50 per 1000; \$3.15 per 100. Postage extra, 35c per 100.

One Quart All-Wood Berry Baskets

	1000
Utility Brand	\$11.50
Tight Corner (For Blueberries)	13.00
Oval Pints	10.35

Utility qts., \$1.30 per 100; oval pts., \$1.20 per 100. Tight corners, \$1.45 per 100. Add 25c per 100 for postage.



Bale Handle Market Baskets

No.	Size	Dimensions	Price
1	1 pk.	18"x10"x6"	\$1.10
2	1/2 bu.	21"x12"x6 1/2"	1.25
3	3/4 bu.	23"x13"x7"	1.40
4	1 bu.	24"x15"x8"	1.60
5	1 1/2 bu.	25"x16"x8 1/2"	1.85

Wet Wash Clothes Basket

No.	Dimensions	Price
2	26"x16"x 9"	\$1.75
3	28"x18"x10"	1.95
4	30"x20"x10"	2.25
5	32"x20"x10"	2.65

Old Trusty Dog Foods

	10 lbs.	25 lbs.	50 lbs.	100 lbs.
All Terrier	\$1.20	\$2.36	\$4.50	\$9.00
Top Notch	1.20	2.36	4.50	9.00
Puppy Biscuits	1.20	2.36	4.50	9.00
Dog Cakes	1.20	2.36	4.50	9.00
Bone-Shaped Biscuits	1.40	2.45	4.75	9.50

Old Trusty Bovex. 8-oz. pkg., 10c each; case of 48, \$4.00.

Tree Labels

Iron wired, 3 1/2 inches. Weight 5 lbs. Per 1000\$3.35

Pot Labels

	Wt. per 1000	100	1000
4 in.	4 lbs.	\$0.30	\$2.65
6 in.	5 lbs.	.45	3.65

Garden Labels

	Wt. per 1000	100	1000
8 in.	14 lbs.	\$1.00	\$8.75
10 in.	17 lbs.	1.15	10.00

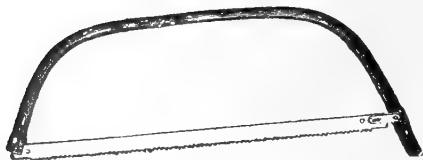
Plant Sticks

For pot or garden use. Square, painted green.

	Each	100		Each	100
1 ft.	\$0.02	\$1.50	3 ft.	\$0.07	\$ 6.25
1½ ft. ....	.02	1.50	3½ ft. ....	.09	7.95
2 ft. ....	.03	2.00	4 ft. ....	.12	10.00
2½ ft. ....	.04	2.50	5 ft. ....	.16	14.95
			6 ft. ....	.18	16.75

Farm and Garden Supplies

Sandvik Saws



No. 17A.	Non-adjustable with 1"x30" Blade	\$2.95
No. 10A.	Non-adjustable with 1"x36" Blade	4.50
No. 10A.	Non-adjustable with 1"x42" Blade	4.95
No. 25L.	Adjustable with 1"x42" Blade	5.95
No. 25L.	Adjustable with 1 3/8"x48" Blade	6.45

Curtis One-Man Saws

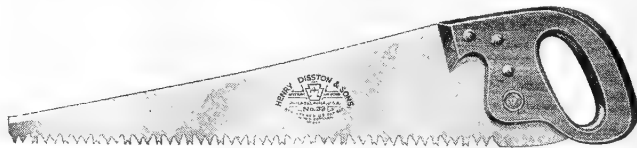


3 ft., \$2.75; 3 1/2 ft., \$3.00; 4 ft., \$3.45.

Pruning Saws



No. D-27. 26 in. Mailing weight 3 lbs. \$3.50



No. 32. 24 in. Mailing weight 3 lbs. \$3.00

Cross-Cut Saws



Curtis Hollow Back Pattern. 5 ft., \$2.75; 5 1/2 ft., \$2.95; 6 ft., \$3.25.
Same as above, only two gauges thinner on back. 5 ft., \$3.25; 5 1/2 ft., \$3.45; 6 ft., \$3.75.
Handles extra. 50c per pair.

Fruit Jars

Atlas E-Z Seal and Ball Ideal (Glass Tops).

Size	Doz.
2 qts.	\$1.39
1 qt.	1.00
1 pt.	.95

Also jelly glasses and fruit jar rubbers.

Clyde Pruners

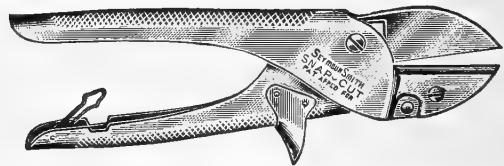
The Clyde Drawcut Pruners produce a powerful sliding cut movement of the blade. The blade hook and shank are forged from tool steel.

No. 5409 1/2.	24 in. Strapped ash handles	\$2.50
No. 5403.	22 in. Drawcut, strapped ash handles	4.00
No. 5402.	24 in. Drawcut, strapped ash handles	4.65

Orchard Pruners With Lever Handle

8 ft.	\$2.30
10 ft.	2.50
12 ft.	2.75
14 ft.	3.30

Snap-Cut Pruning Shears



Orchardists, home and professional gardeners everywhere recognize the "Snap Cut" as the most efficient pruner on the market today.

No. 119.	Length 8 in.	\$2.25
No. 118.	Length 6 in.	1.39
No. 9.	Junior length, 7 3/4 in.	1.19

Add 10c for postage.

"Tiffany" All Steel Tree Pruners



Cuts from both sides of the limb and does not bruise the bark. Cuts 1 1/2-inch limbs with ease. Light, powerful and practical. The blade has the draw cut principle and cuts very smoothly.

Length, 20 in.; weight, 2 1/2 lbs.; postpaid, \$3.30.

Length, 24 in.; weight, 3 lbs.; postpaid, \$3.60.

Length, 28 in.; weight, 3 1/2 lbs.; postpaid, \$3.90.

Columbia Fruit Step Ladder

This fruit step is the latest, strongest, best and most practical fruit step on the market. Made from clear spruce; steps reinforced with truss rods. Made in 5, 6, 8, 10, and 12-ft. lengths. Per ft., 83c.

Extension Ladders

Made from white spruce and recommended by telephone and telegraph folks who use these. Allow 4 ft. for lap.

Feet	Per Ft.
20 to 32	\$0.56
34 to 44	.59

Common Taper

Made of white spruce. Very strong and durable.

Feet	Per Ft.
10 to 16	\$0.51
18 to 22	.53

Closed Top Fruit

This ladder manufactured purposely for fruit picking. Upper section closed or pointed at top to run up in thick branches of trees. 10 to 16 ft., 53c per foot; 18 to 22 ft., 55c per foot.

Victor Step Ladders

Clear eastern spruce throughout. 4 ft. to 10 ft. Price: 83c per ft.

Certain-teed



	Roll
Certain-teed Smooth Roofing. 3-ply, 55 lbs.	\$2.00
Certain-teed Smooth Roofing. 4-ply, 65 lbs.	2.25
Guard Smooth Roofing. 2-ply, 45 lbs.	1.65
Corporal Smooth Roofing. 1-ply, 35 lbs.	1.10
Certain-teed Mineral Surface Roofing. Colors: red, green, and black. 90 lbs.	2.25
No. 15. Tarred Felt. 1/2 roll, about 32 lbs.	1.25
Full roll, 432 sq. ft.	2.35
Asphalt Sheathing. 30 lbs., 500 sq. ft.	1.30
Insulating Paper. 35 lbs., 500 sq. ft.	2.30

Farm and Dairy Supplies

Warriner's Patent Chain Cattle Stanchions

Used in a large number of stables. A short chain secures the fastener to the top beam so that it suspends 1½ inches clear of the bottom sill. It is also fastened to the bottom sill by a chain to allow it a free and easy motion and rotation, giving the cattle freedom. **Each, \$2.95.**

KOW KARE. The concentrated tonic, conditioner and regulator to promote assimilation, aid low cost milk production and build up vigor for calving. 65c size, mailing weight 2 lbs.; \$1.25 size, mailing weight 4 lbs.

BAG BALM. For teat and udder ills and all farm healing. 60c, mailing weight 1 lb.

BAG BALM DILATORS. For quick healing of spider scales, bruises, etc. 25 dilators sterilized and packed in Bag Balm. 60c. Mailing weight 1 lb.

Moore Bros. "Purple" Medicated Wax Teat Dilators

For obstructions, spiders, sores on end of teat, hard milkers, etc.

1½ doz. Dilators, 25c; 7 doz. Dilators, \$1.00, postpaid.

Dr. Naylor's Veterinary Products

MEDICATED TEAT DILATORS. For the treatment of spider teat, scab teats, cut and bruised teats, obstructions. Medicated, packed in antiseptic ointment. Large pkg. (45 dilators), \$1.00; postpaid, \$1.10. Trial pkg. (16 dilators), 50c; postpaid, 60c.

UDDER BALM. Antiseptic ointment, stays in prolonged antiseptic contact, reduces danger of infection. Soothing, healing ointment for many everyday uses. Price: 50c; postpaid, 60c.

UDDER LINAMENT. Antiseptic massage cream, relieves soreness, reduces congestion. Price, \$1.00; postpaid, \$1.10.

LINITE. Antiseptic compound for stubborn conditions, hoof rot, canker, thrush. Price, \$1.00; postpaid, \$1.10.

URALAX. Laxative, diuretic; increases flow of urine, promotes general elimination. Price, 60c; postpaid, 70c.

DIRENE. Antacid, intestinal astringent for simple diarrhea, acid indigestion. Price, 75c, postpaid, 85c.

TONIC POWDER. For horses and cows. Stimulant, tonic, aids digestion. Price, 75c; postpaid, 85c.

STOP-A-LEAK. For cows' teats that leak milk. Tightens muscle end of teat. Price, \$1.00; postpaid, \$1.10.

ANTISEPTIC PAINT. Antiseptic wound dressing, promotes clean, rapid healing. Price, 50c; postpaid, 60c.

ANTISEPTIC DUSTING POWDER. For galls, blisters, skin irritations. Price, 50c; postpaid, 60c.

Butter Moulds

½-lb. Butter Mould\$1.20
1-lb. Butter Mould 1.25
2-lb. Butter Mould 2.00

Add 10c to any above for postage.

Wooden Butter Churns

No. 0. 1-gal. size\$5.75 No. 3. 6-gal. size\$8.75
No. 1. 2-gal. size 6.75 No. 4. 8-gal. size 9.75
No. 2. 4-gal. size 7.75

Gambine

For Hoof Rot, Sore Teats, Cuts, Wounds, Sores, Ulcers, Infections. Gambine Ointment is both germicidal and fungicidal.

GAMBINE OINTMENT. 1-lb. jar. Each\$2.00

GAMBINE TINCTURE. 1-pt. bottle. Each 2.00

TUBES OF GAMBINE INJECTION OINTMENT. Doz. 3.00
Send for circular.

Salt Bricks

Each Doz.
ROTO SALT BRICKS. Weight 6 lbs.\$0.25 \$2.50
SQUARE SALT BRICKS. Weight 5 lbs.25 2.50

Johnson & Johnson Cotton Discs

6 in. 300 to carton. Plain ...\$1.15—Single face ...\$1.65
6½ in. 300 to carton. Plain ... 1.25—Single face ... 1.85
Mailing weight 3 lbs.

The Rice Calf Weaner

Small, 50c; medium, 65c; large, 85c. Weight, each, 1 lb.

Sterling Smoked Salt (Sugar Cure)

Ready for use. For curing hams. 7½-lb. pkg., 75c.
Postage extra.

One-Hand Corn Planter

Lightest, most accurate, strongest and most up-to-date planter on the market. Price, \$2.75. Mailing weight 5 lbs.

Thompson's Grass Seeders

For broadcasting Grass, for sowing Red Top, Clover, Timothy, and all mixed seeds. Light, strong and simple.

SEEDER No. 5. Sows Clover, Timothy, Hungarian Millet, Alfalfa, chaffy seeds like Red Top, Orchard Grass and Kentucky Blue Grass. Price, \$21.00.

No. 4. GRAIN SEEDER BOX. 10 ft.,



for sowing all kinds of grain. Fits No. 5 Seeder, and with both boxes all kinds of grain and grass seeds can be sown. Price, \$12.00.

No. 5 SEEDER and No. 4 GRAIN BOX. Price, \$33.00.

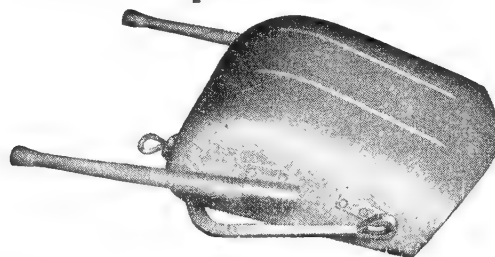
The Cyclone Broadcast Seeder

Will sow Timothy, Clover, Wheat, Oats, Rye, Buckwheat, Hungarian, Red Top, Millet and all other grains and seeds perfectly even. Net price, \$2.95. Mailing weight 2 lbs.

Corn Hooks

No. 6CH. Yankee Corn Hook\$0.55
No. 6C. Carver's Patent Plain Edge75
No. 8C. Carver's Patent Serrated Edge80

Steel Scraper with Runners

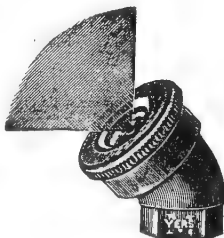


No. 1. Carries 7 ft. of earth\$11.25
No. 2. Carries 5 ft. of earth 11.00
No. 3. 10.25

Myers Nozzles

Fembro 45 degree nozzle. 85c; or 90c, postpaid.

Fembro straight nozzle, 75c; or 80c, postpaid.



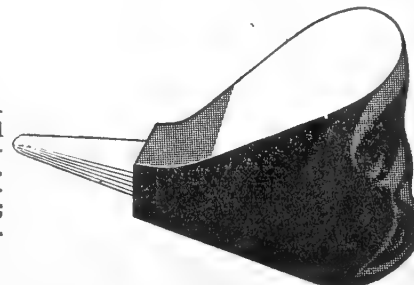
Bordeaux Nozzle

(Not shown.)

Each, \$1.20; or \$1.30, postpaid.

Centrobells-V

An insecticide powder duster. Easily filled by removing the nozzle. 6-oz. capacity No. 1-V, \$1.00; 12-oz. capacity No. A-V, \$1.25; 24-oz. capacity No. B-V, \$1.50.



Dietz Lanterns

Each
Monarch Lantern. With clear globe\$1.25
Monarch Lantern. With ruby globe 1.50
No. 2 DeLite Lantern. With clear globe 1.75
Little Wizard Lantern. With ruby globe 1.60
Fitzall Globe. (Clear) for Monarch Lantern20
Fitzall Globe. (Ruby) for Monarch Lantern40

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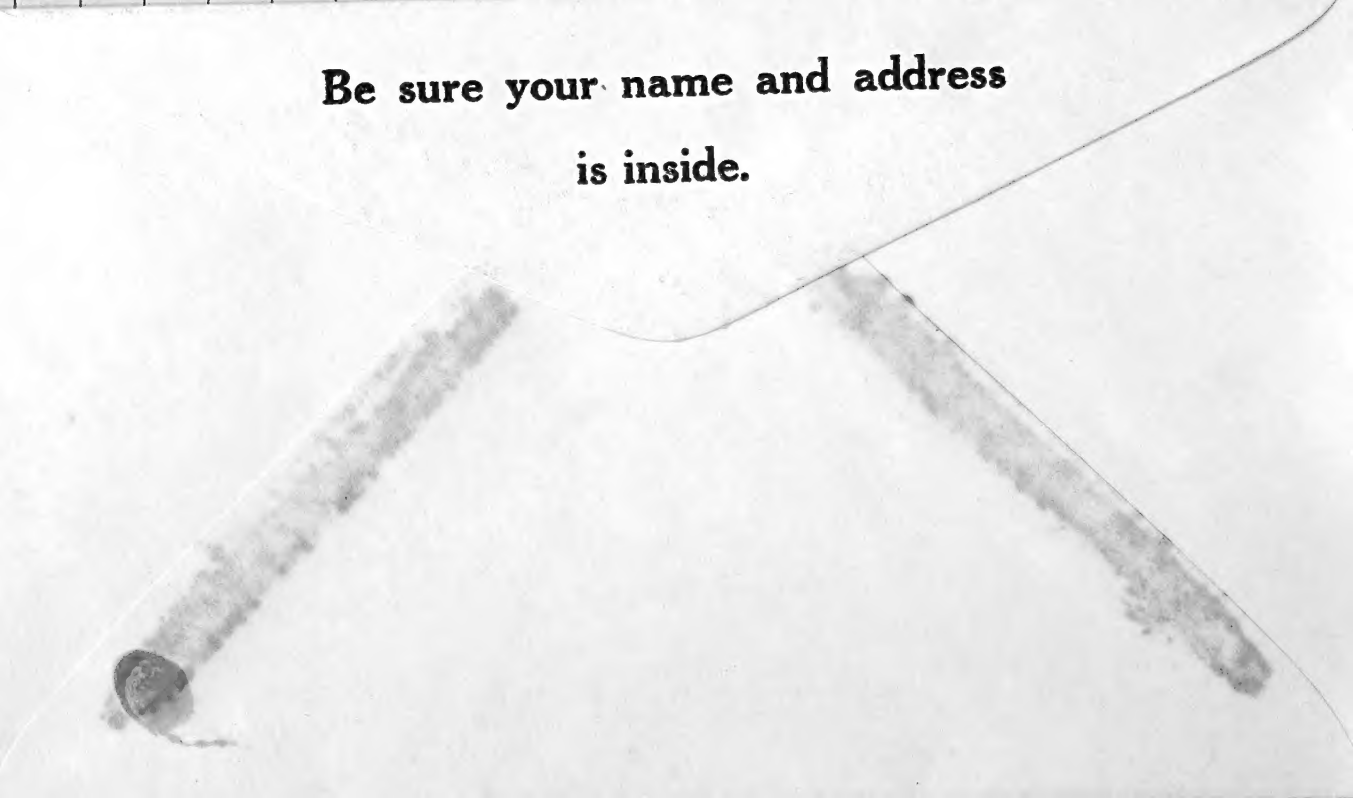
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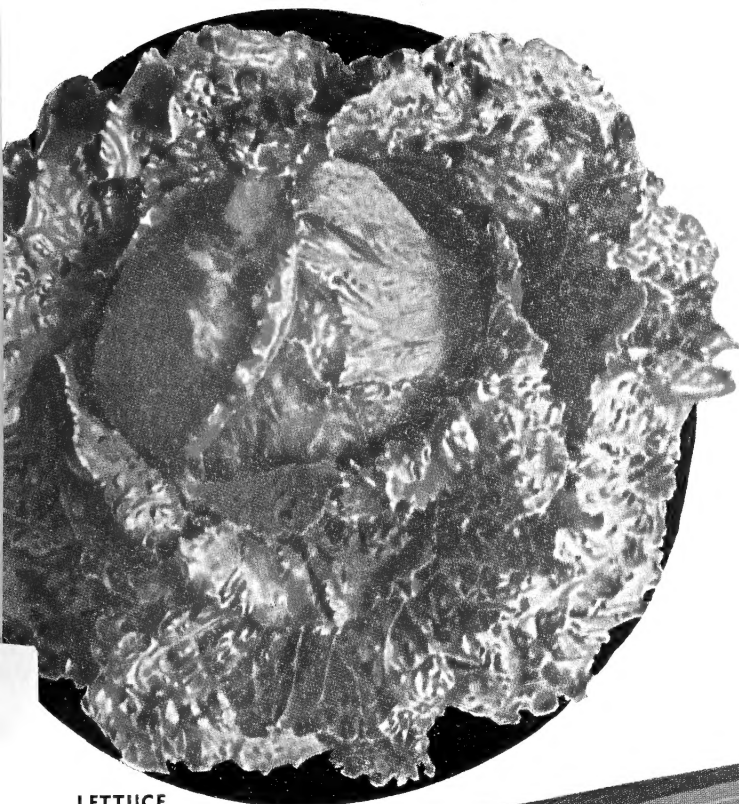
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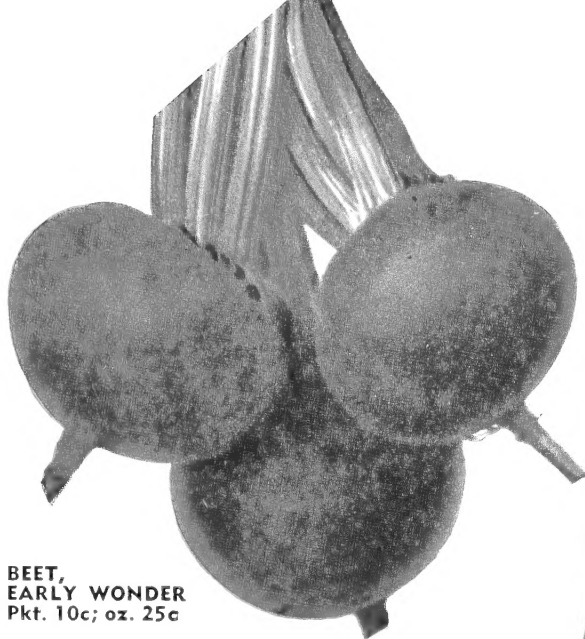
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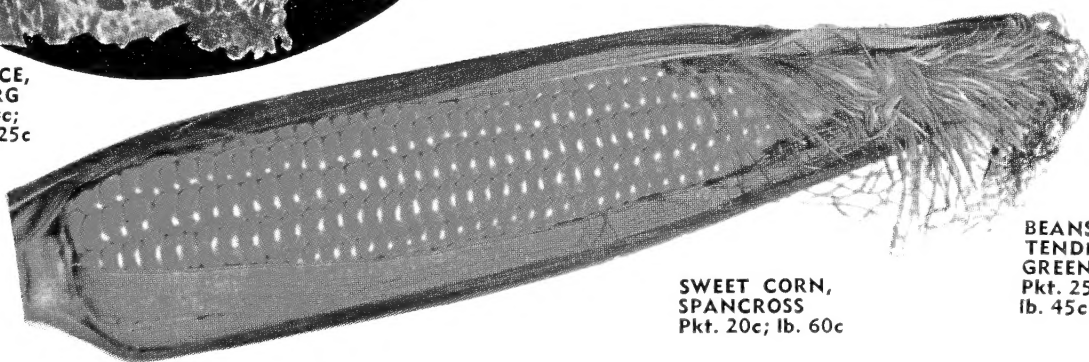




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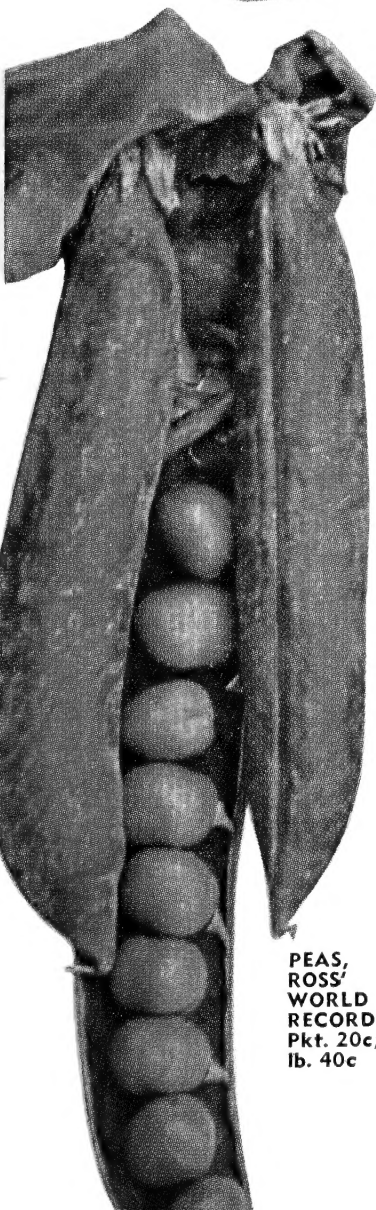
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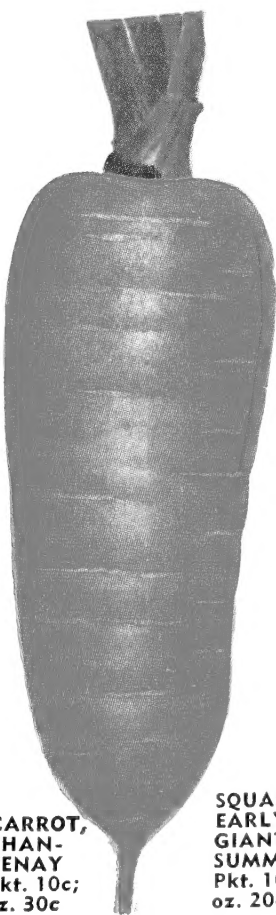
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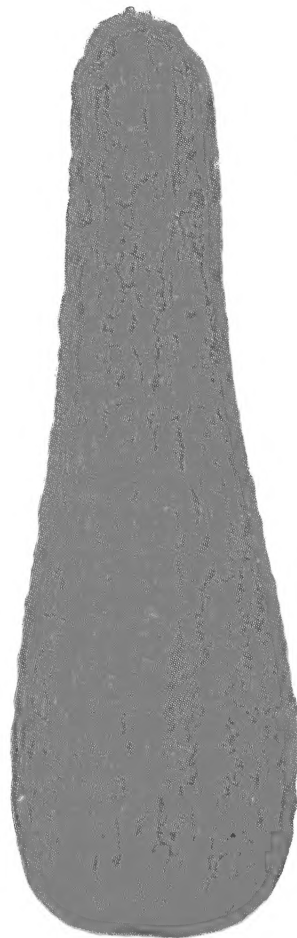
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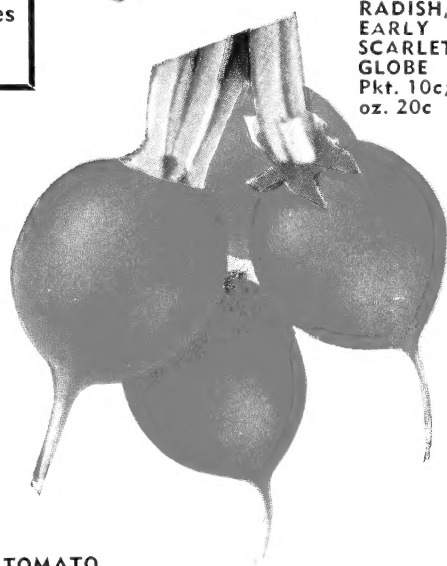
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